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# PHONOLOGY OF THE VOLHYNIAN GERMAN DIALECT OF THE EDMONTON AREA

#### A THESIS

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INTERDEPARTMENTAL COMMITTEE ON

GENERAL LINGUISTIC STUDIES

by

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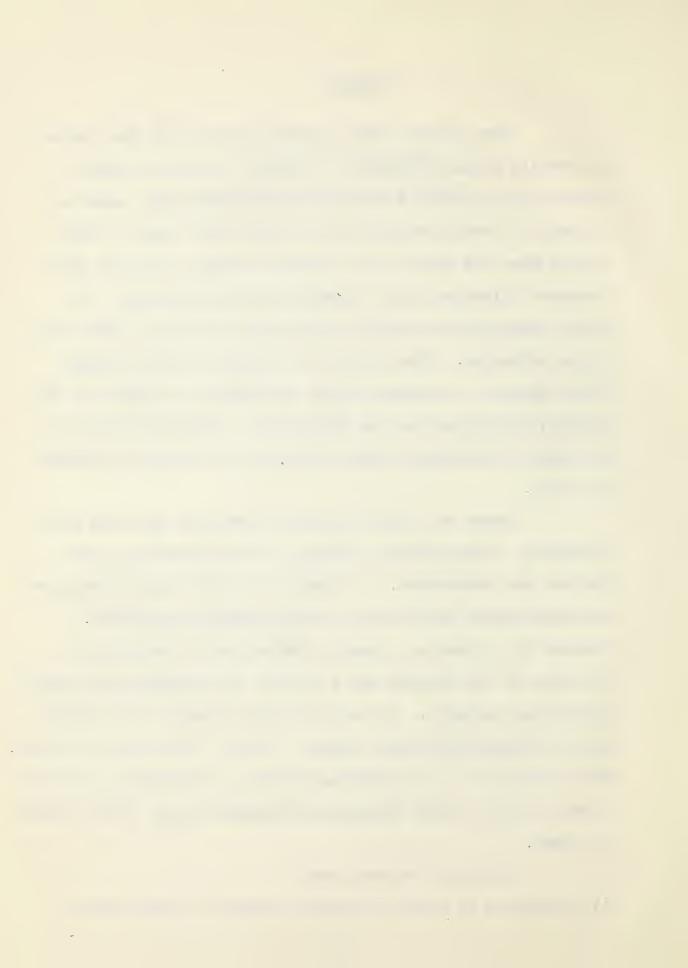
#### ABSTRACT

The present study concerns itself with the dialect of certain German-Canadians, formerly colonists in that territory now partly Polish and partly Ukrainian, known as Volhynia. German colonies in this area date back to 1820, a time when the Czars still welcomed German colonists from Congress Poland on their underdeveloped territories. By 1870, Russo-German hostility made the position of these colonists untenable. They started to emigrate mainly towards North America, a movement which increased as a result of the Russian Revolution and two World Wars. Conditions for the survival of Volhynian German language and culture in Canada are poor.

Based on a high frequency word-list and free conversation, a descriptive analysis of the phonology of the dialect was undertaken. In Chapter II, the various practical and theoretical difficulties encountered are discussed. Chapter III presents a general discussion of the phonetic features of the dialect and a list of its phonemes with their allophonic variants. In the concluding chapter, the results of the investigation are stated. Briefly, they are as follows. The existence of a well-defined dialect is adequately substantiated for the former Volhynian colonists living in the Edmonton area.

Its main features are:

1) unrounding of vowels generally rounded in High German,



- e.g. Fusse 'feet': the equivalent in Volhynian has a vowel similar to the stressed vowel in schiessen although it is more "centralized";
- 2) loss, due to unrounding, of the High German diphthong that appears in <u>Gebäude</u>, which would rhyme with <u>beide</u> in Volhynian;
- 3) the velar voiced fricative in place of the velar voiced stop in High German.

It is argued that unrounding is due mainly to the habitually spread lip position, photographs of which can be seen in Appendix D.

Since this dialect is unlikely to survive much longer in Canada, tape recordings have been made, and the phonemic transcription of an anecdote, the "Bear Story," is included in the thesis as Appendix C.

It is suggested, lastly, that the study of the dialect be extended to include an examination of its morphology and syntax.



#### PREFACE

The purpose of the present investigation is to initiate the study of that dialect which was spoken by the German colonists of Volhynia, one of the ancient principalities of the Ukraine. They were citizens of Russia, from the establishment of the colony about 1820, till the restoration of Poland in 1919, which drew the Russo-Polish border through the middle of Volhynia, thus splitting the German colonies into separate groups, with separate citizen-The Russo-German hostility which started towards the end of the nineteenth century, was the beginning of their troubles, and this was when they began to emigrate to Canada. The 1914-1918 War, the Bolshevik Revolution and the 1939-1945 War completed their destruction. Those who are now settled in the Edmonton area contribute to the culture of the mixed German colony of Edmonton, but cannot be considered as a separate, self-contained group. Moreover, in this new environment, the younger generation is fast losing command of the language of their parents. This applies to the whole German community, and in the process, city life, public schools and the prestige of English all play a part.

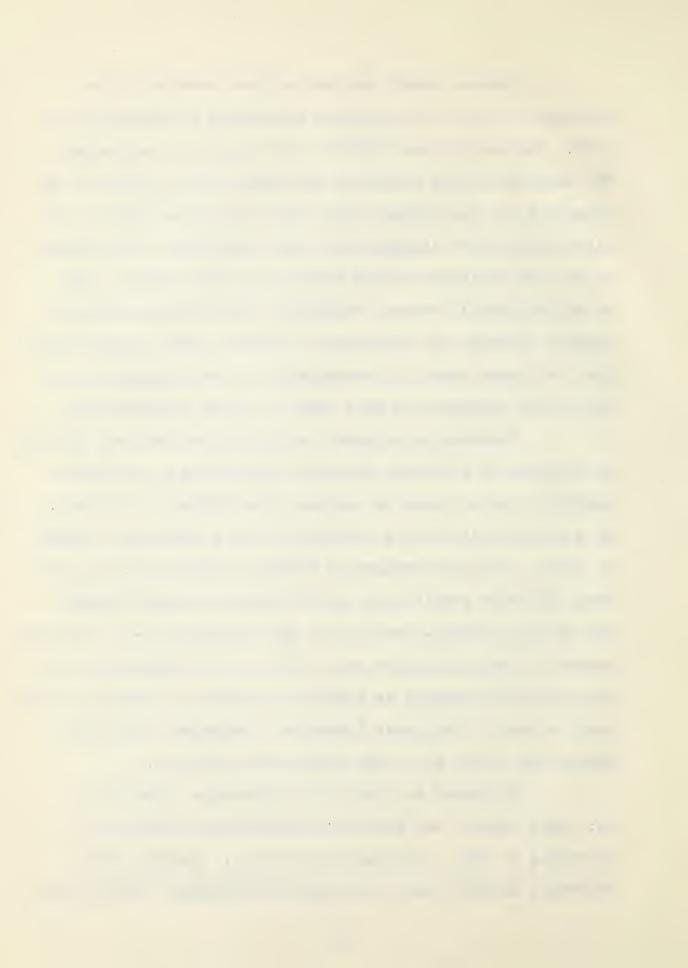
<sup>&</sup>lt;sup>1</sup>For an early map see Moses Pitt, <u>Description of Poland</u> (Oxford, 1680 reprod. 1943), p.24.



Dialect study received a great boost with the principle of self-determination propounded at Versailles in 1919. Nationality was equated with linguistic background. The dangers of this principle are being felt in India at the present time, and threaten the very life of the state. Sentimentality about language may breed fanaticism. Be that as it may, we no longer regard dialects as mere deviant forms of an arbitrarily chosen "standard," but as being worthy of respect (without any overtones of romantic awe), because they are the chosen means of communication of many speakers, who have lived together for many years in close companionship.

Moreover, a colonial territory that has been settled by speakers of different dialects constitutes a new speech-community, which tends to produce a new dialect of its own. If a colonial dialect is elaborated over a sufficient number of years, early differences as between speakers will be worn down, and what results will be an entity—a closed system. The thorough study—phonological and grammatical—of a dialect spoken in some out—of—the way corner, is as rewarding to the linguist when regarded as something complete in itself, as the study of one of the great "standard" languages, which are themselves, after all, only fashionable dialects.

My thanks are due to my informants, especially
Mr. Ewald Ruppel, who spent many weary hours dictating, or
recording on tape, material for my study. Besides being
extremely helpful, they all showed considerable understanding



of my interest in their language. Perhaps this is because they have all undergone the experience of having to learn a second, and sometimes a third or even a fourth language. They know the subtleties of language differences.

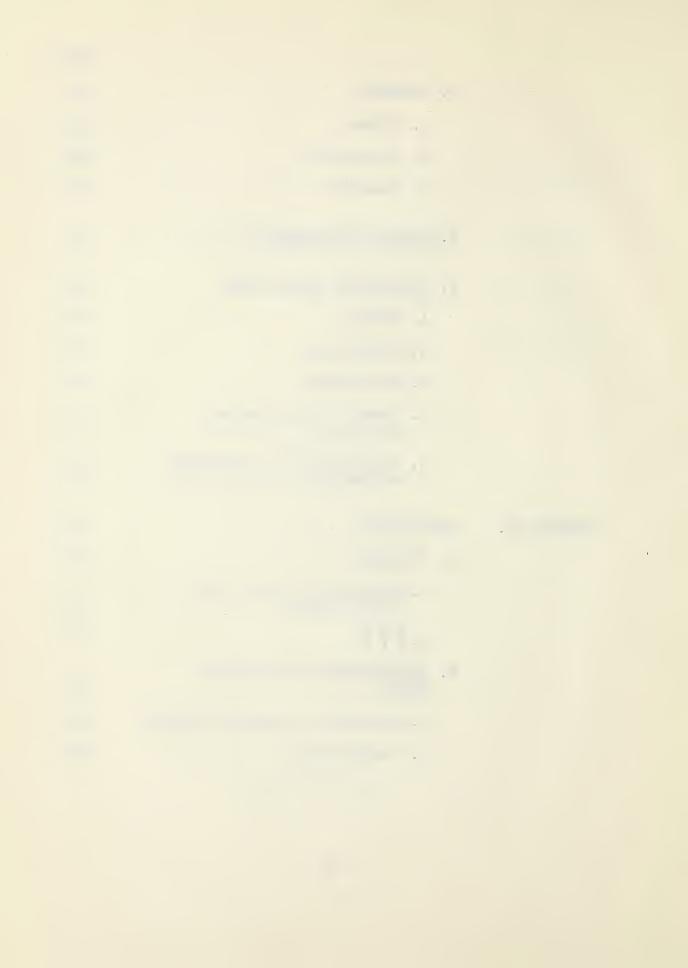


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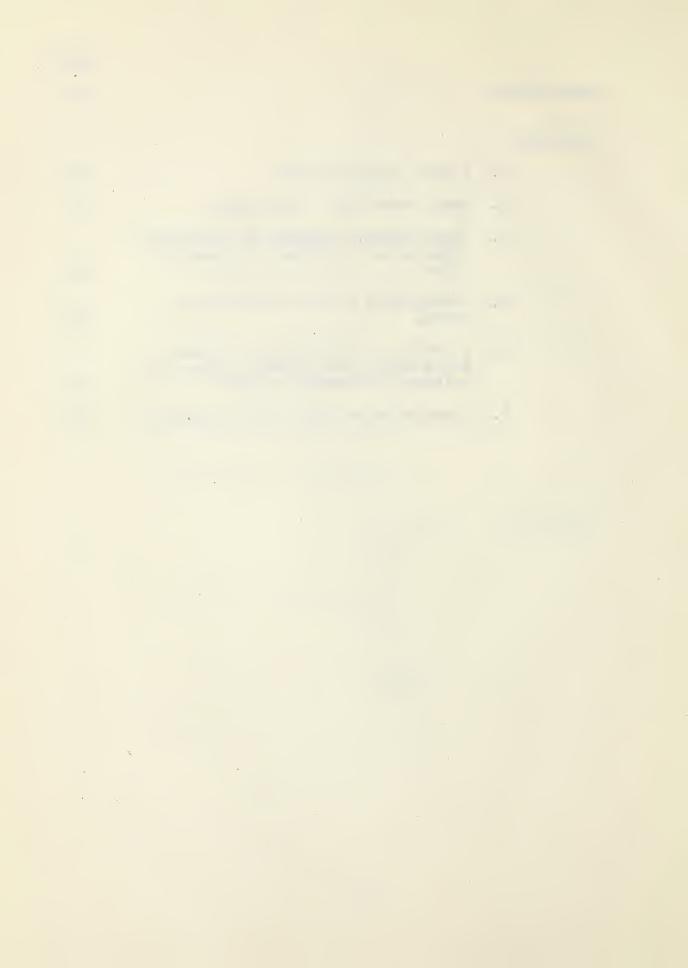
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#### CHAPTER I

#### THE HISTORICAL BACKGROUND OF THE VOLHYNIAN GERMANS

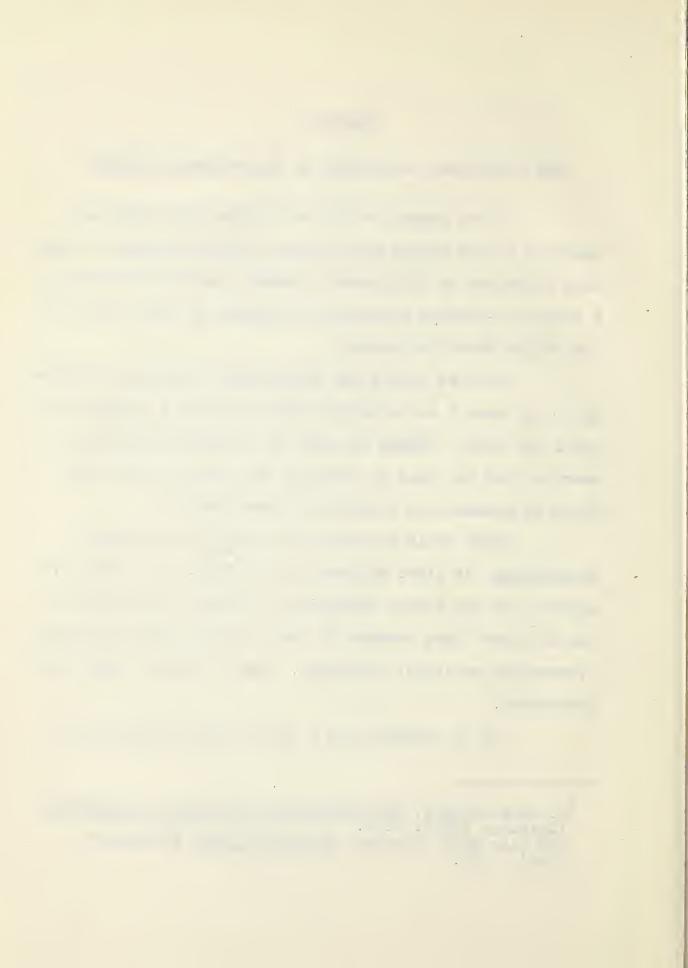
If we associate the word German with what has appeared on our school atlas since 1919 as Germany, it might have surprised us to discover, between the two world wars, a colony of Germans existing in Volhynia on both sides of the Polish-Ukrainian border.

Just as in the New World there has been a tendency to "go West," so in Europe there has been a movement towards the East. Europe has had its frontiers as well as America; and the lead in settling the frontier was often given by monasteries founded by German monks.

Much could be said of the role of the German Ritterorden, at times welcomed by the Poles as a means of support for the thrust eastwards of "Roman" Christiantiy, and at other times dreaded by their former hosts for their overweening political influence. Their cultural impact was tremendous.

It is evident, from a short study of Polish his-

<sup>1</sup>K. Karasek-Lück, Die deutschen Siedlungen in Wolhynien (Leipzig, 1931), p.40.
See also Henri Pirenne, Medieval Cities (Princeton, 1948), p.81.



tory, that much of what we call "Western Civilization" was transmitted to the Eastern nations through German influence, in the same way as the Normans were the relayers of Latin culture in England. In particular, the rise of urban civilization is associated with the settlement in Poland of German artisans and merchants in the Middle Ages. Towns were founded, and charters granted, according to German laws.

A more thorough examination of these developments would no doubt make clear why Germans have found the soil of Poland not too strange to put down roots in. At least this is true of pre-Reformation times, when they had a common religion; but it would not explain how Lutheran and Evangelical colonies appeared in Poland and the Ukraine.

In times of exceptional agricultural backwardness, for instance after the Tartar invasions of the thirteenth century, the Eastern landowner had often occasion to search for more vigorous hands than the landless and therefore uninterested serf could provide. This need was filled by staunch German peasants bitten by the proverbial "Wander-lust"! Moreover, there were certain tasks that needed skills that only generations of experience could provide.

<sup>&</sup>lt;sup>2</sup>O. Halecki, A History of Poland (London, 1955).



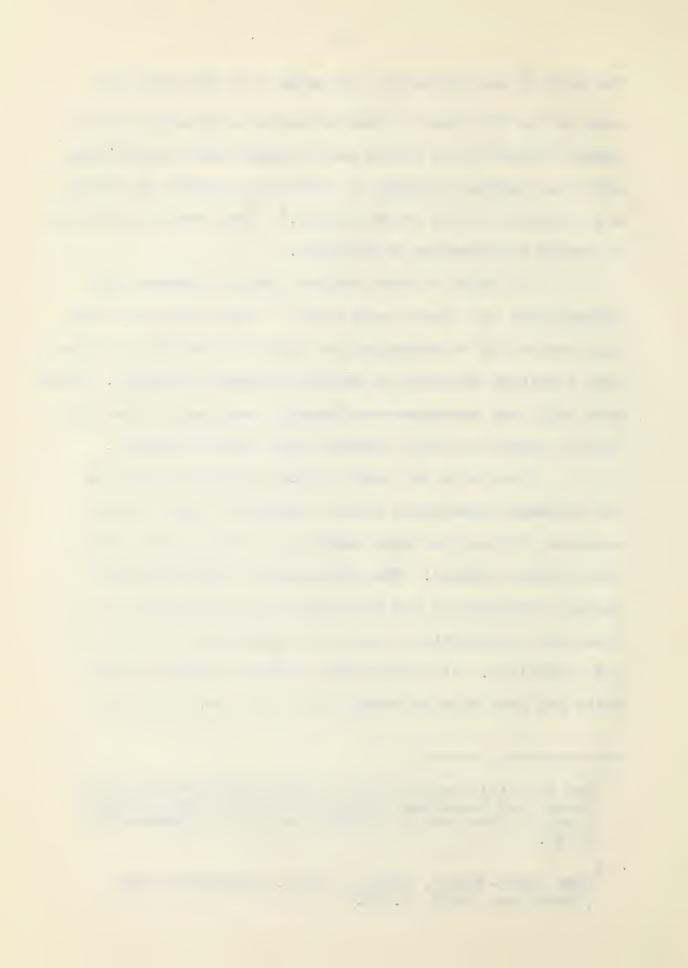
The work of converting fen and marsh into farm-land was done by the "Hollander"--Mennonites who enjoyed the privileges of pioneers in a land which needed their engineering skill and physical energy, in return for freedom of worship and freedom from all feudal duties. They were the pioneers of German colonization in Volhynia.

In spite of what has been said by Germans and others about the "Drang nach Osten," there never has been any possibility of extending the national frontier into the Slav territory by means of massive movement of people. There have only been scattered settlements, and always these have been in danger of being absorbed into the environment.

The Poles had made it their policy to romanize the Orthodox inhabitants of Rus (Ukraine); they had spent hundreds of years and many campaigns in the attempt with only partial success! The much despised Greek-Orthodox peasant probably did not see himself as the inheritor of Byzantine civilization, but he was stubbornly faithful to his traditions. If neither the Teutonic Knights nor the Poles had been able to break this faith, how could the

<sup>&</sup>lt;sup>3</sup>See the vivid description of dark impenetrable forest, swamp, and clearings overgrown with thistles given by a Pole at the end of the 18th century in Karasek-Lück, p. 20.

Hugh Seton-Watson, Eastern Europe between the Wars (Cambridge, 1945), p. 49.

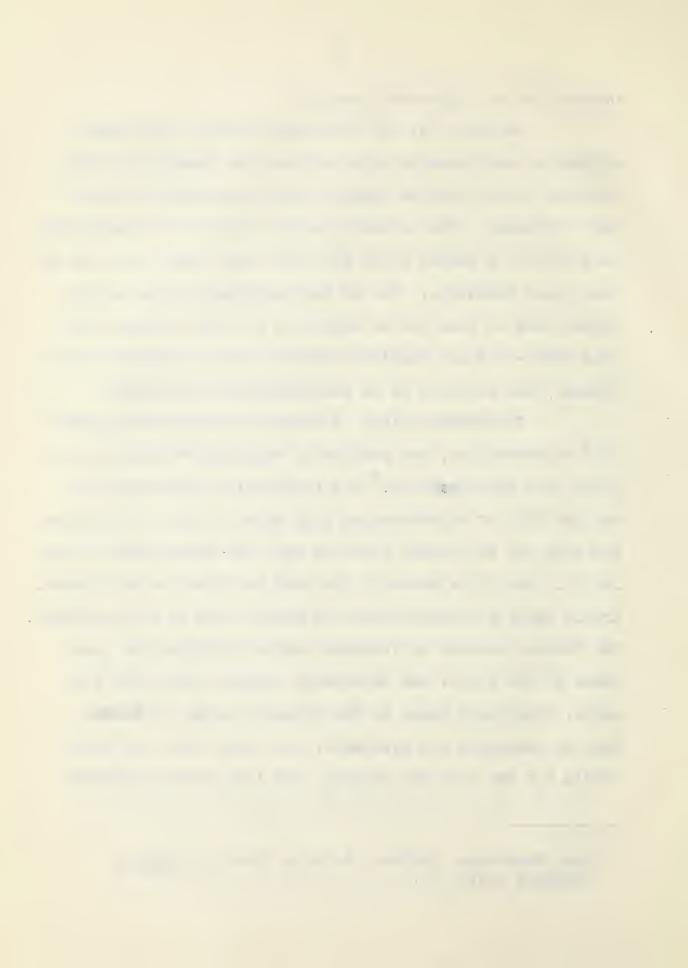


Germans in the eighteenth century?

Moreover, by the nineteenth century, the Czars of Russia were becoming more and more the champions of the Orthodox in the Ukraine against the encroachments of Western influence. The German colonists rather felt themselves as guests of a rather moody host with whom they had to be on their best behaviour. One of the informants tells how his father used to take him to school on his back through the deep snow—to learn Russian—because they were guests in a strange land and must be as accommodating as possible.

The German colony in Volhynia was pioneered after 1818 by Mennonites, and settled by Augsburg-Protestant colonists from Kongresspolen. All they could look forward to was the life of back-breaking toil which is the lot of those who must try to extract from the land the wherewithal to pay for it. And it is worse if the land has first to be cleared. Arnold Toynbee characterizes the Western man as a tree-cutter. The German colonist in Volhynia was still plying the same trade at the end of the nineteenth century. Our early pioneers, especially those in the timbered areas of Canada when no machinery was available, must have known the same trials, but yet they won through, and like their neighbours

<sup>&</sup>lt;sup>5</sup>Lutz Mackensen, "Heimat, Kolonie, Umvolk," <u>Folk, I</u> (January 1937), 25.



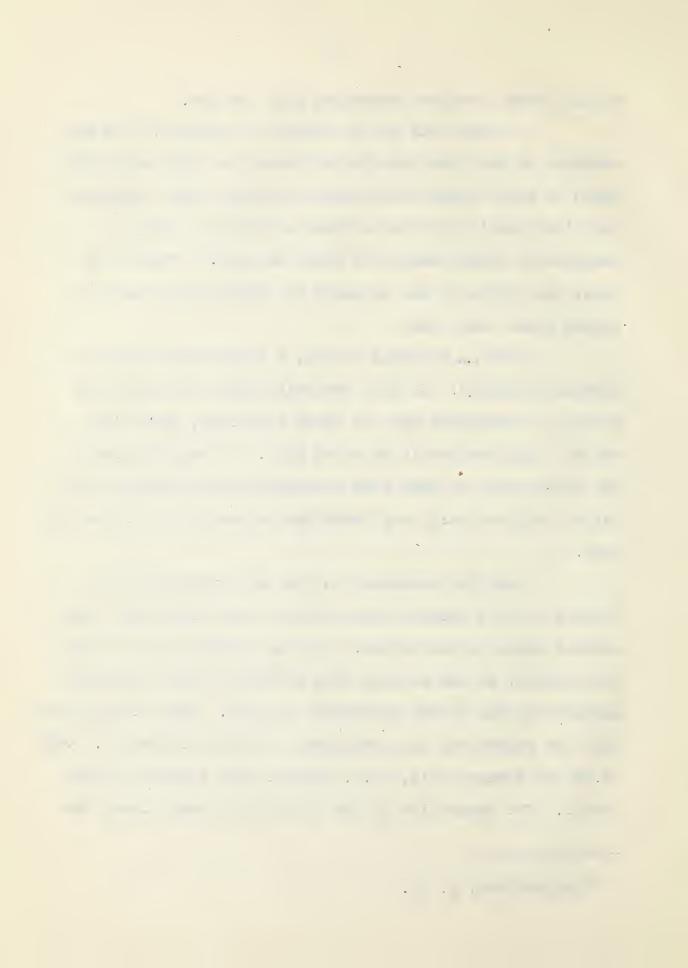
to the South, produced something rich and new.

The same was not to happen in Volhynia. The descendants of the Czars who had welcomed the first colonists, began to adopt restrictive measures around 1870, showing a political hostility to the colonists which led them to emigrate in large numbers to North America. This is no doubt the origin of the movement to Canada which has continued since that time.

1914 ... needless to say, a catastrophe for the Germans in Russia! In 1917 the Bolsheviks could not look kindly on foreigners who, by their standards, were rich and who employed locals as hired help. If only to please the Ukrainians, to whom they promised satisfaction for their natural aspirations, they taxed the Germans out of house and home.

Some few returning in the early twenties from
Siberia or from wherever the storms of war had driven them,
started again at the bottom. But the prospect did not seem
very bright, as can be seen from official census statistics
gathered by the Polish government in 1921. These show clearly
that the colony was in a very grave cultural situation. Only
14.3% of "Evangelicals," i.e. Germans, had attended "Volksschule." The danger lay in the rising illiteracy among the

<sup>6</sup>Karasek-Lück, p. 30.

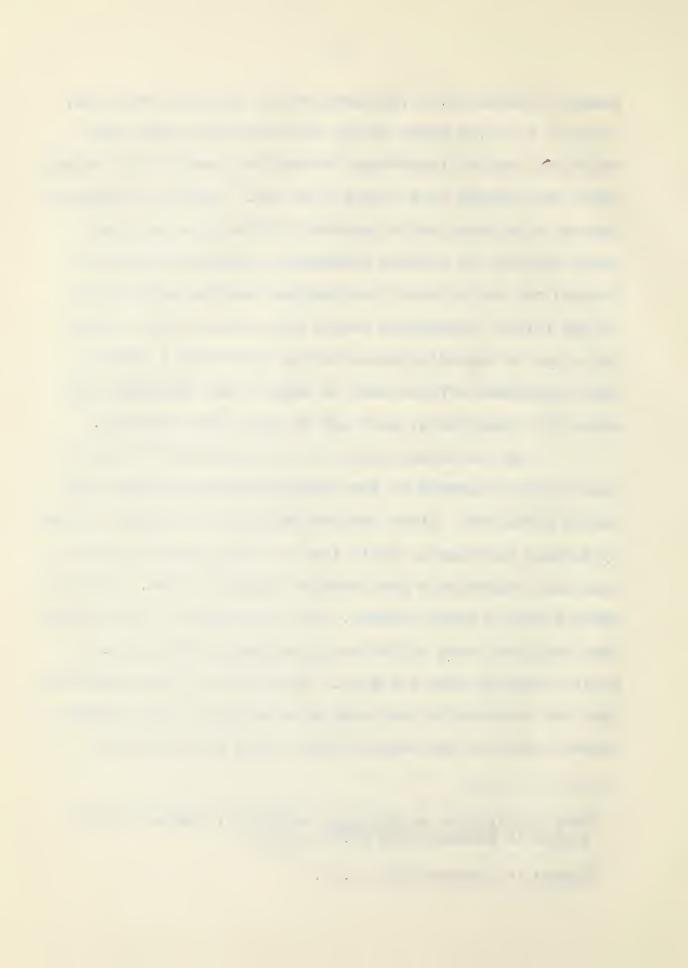


younger generation: 67.8% among ten to fourteen year-olds, compared to 43.3% among thirty to thirty-nine year-olds. There had been an improvement around the turn of the century, which was brought to an end by the war. Could the Volhynian Germans rise above their material difficulties and place their colonies on a solid foundation, wedged as they were between the socialism of the Russians and the nationalism of the Poles? Apparently Walter Kuhn, about 1931, already saw signs of impending doom, for he wrote then a warning that tremendous efforts must be made if the Volhynian Germans, his compatriots, were not to lose their identity.

At the present time, it is impossible to find out exactly what happened to the Volhynian Germans during the Second World War. After the new partition of Poland, devised by Germany and Russia, their line of communication with the homeland crossed only one frontier instead of two. Volhynia was now wholly within Russia. The men served in the Russian army and later were called to fight against the forces of Hitler invading from the West. The contact of the two armies gave the opportunity that many were seeking to slip across no-man's-land in the middle of the night and take their

<sup>7</sup>From Statistique de Pologne, Wolhynien: Tables 6 and 7, quoted in Karasek-Lück pp.36 and 40.

<sup>8</sup>Quoted in Karasek-Lück, p.41.

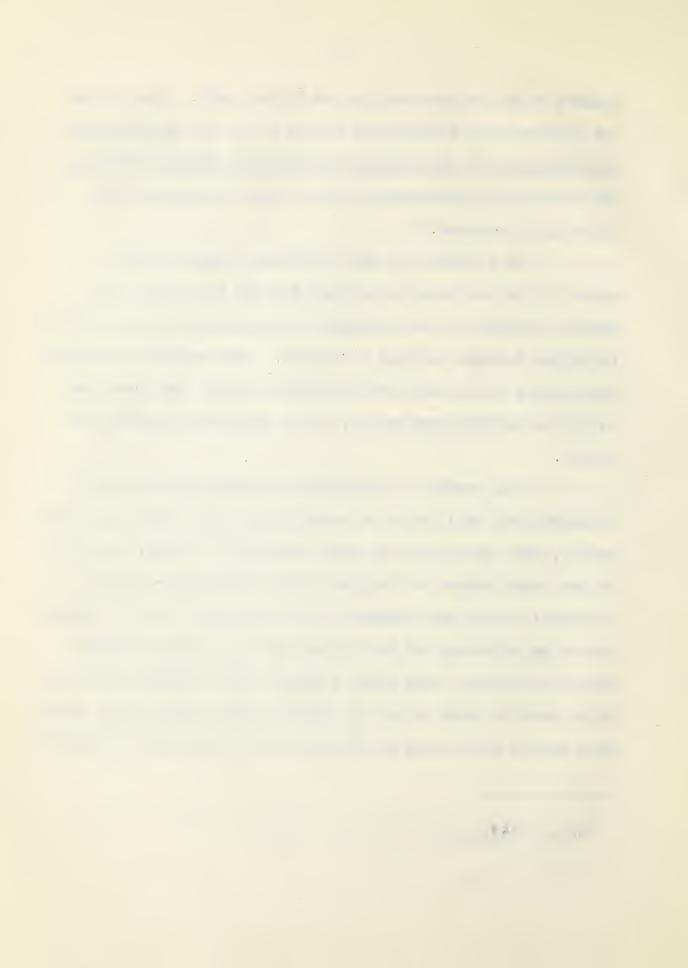


chances with the sentries on the German side. Apart from one reference to Volhynia in Volume I of the <u>Documents on</u> the <u>Expulsion of the Germans from Eastern-Central Europe</u>, the fate of the Volhynian colonies since the end of the fighting is unknown.

As a result of the illiteracy figures given above, it is not surprising that English has taken the place of German as the language of civilization amongst the Volhynian Germans settled in Canada. Even amongst the older generation, it is used predominantly outside the home; and in the succeeding generation, it is replacing German altogether.

One sample is available on tape of the mixture of German and English which comes about after only one generation. What surprises one most, however, is that, in spite of the large number of English terms introduced--mostly technical, since the speaker is an engineer in the oil business--the structure of the dialect of the parents remains generally intact. One feels however that a great effort is being made to adapt a way of speaking that was used in childhood and is still used in the home, for conveying information

<sup>9</sup>Bonn, 195?, p. 5.



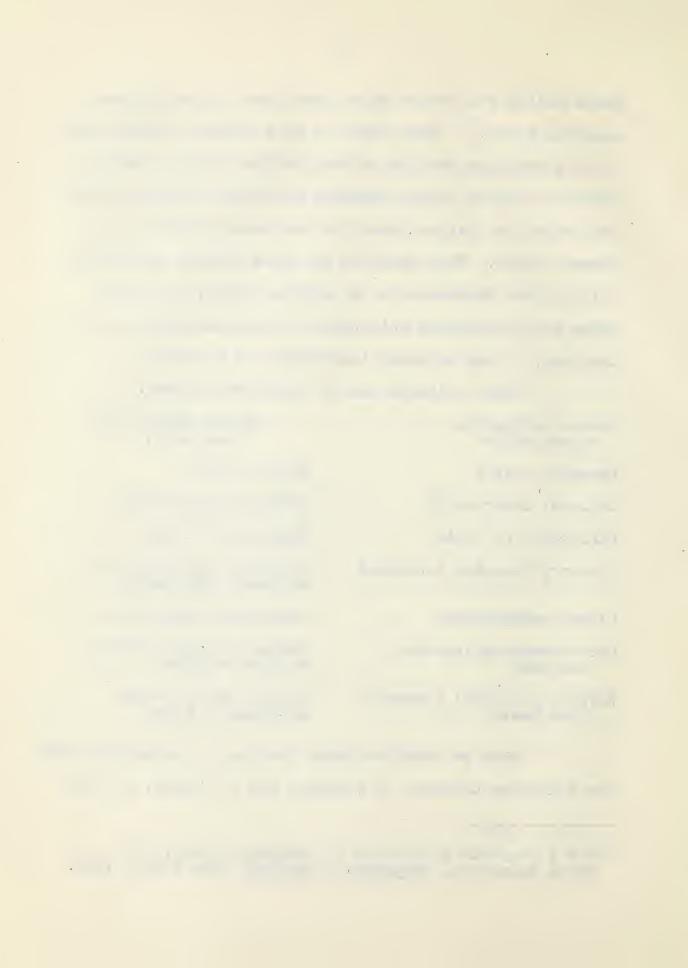
about things and events which take place in an English-speaking world. This seems to be a natural process, but it is surprising that the colony existed for so long in Poland or Russia, many colonists becoming bilingual, without losing its native speech or the consciousness of its German origin. This question has been treated satisfactorily by Lutz Mackensen in the article cited, who lists seven crucial factors which make for the maintenance, or the loss, of the cultural inheritance of a colony.

These criteria can be listed as follows:

Factor making for conservatism	Factor making for innovation
Daughter colony	Mother colony
Cultural superiority	Cultural inferiority
Difference of faith	Identity of faith
Literary language possessed	Literary language to be borrowed from hosts
Closed communities	Scattered communities
Open communication with homeland	Isolation from centres of home culture
Adverse political pressure from hosts	Liberal and tolerant attitude of hosts

When we consider these factors, in connection with the Volhynian Germans, in Volhynia and in Canada, we find

<sup>&</sup>lt;sup>10</sup>For a complete discussion of language mixing, see Uriel Weinreich, <u>Languages in Contact</u> (New York), 1953.



the following picture. The Germans in Volhynia had emigrated from Congress Poland, the mother colony. They were therefore experienced in withstanding cultural pressure from without. This criterion does not apply to Canada at all. The Germans were the cultural innovators in the Ukraine; two items in support of this are the introduction of potatoes and wells. In Canada they have no cultural superiority. Lutherans and Evangelicals in Volhynia were Germans: Greek Orthodox were Ukrainians, and the former despised the latter. Here in Canada the Germans are, for the most part, Protestants among Protestants. In Volhynia they lived in closed communities grouped around the "Kirchspiel"; here they are scattered in and around the city. In both Volhynia and Canada, they are isolated from their homeland and out of reach of its cultural radiation. Lastly, since the Russo-German hostility, which began at the end of the last century, the colonists were under considerable pressure; in Canada, on the other hand, they are rather encouraged to maintain their language and traditions. Where there is nothing to resist, the will to resist dies.

Comparing, then, Volhynia with Canada as a suitable climate for the maintenance of the colonial-German cultural inheritance; if we count up, for each country, the factors yielding positive results, we will find that Volhynia makes a score of five out of seven and Canada,



zero.11

The above investigation was undertaken in an attempt to find out to what general dialect area the Volhynian German colonies were likely to belong. Their history, and that of their mother colonies in Poland, provides clear evidence that they belong to the ostmitteldeutsche dialect region.

Lastly, it was found that English has great prestige amongst the Canadian-born descendants of the Volhynian settlers in Canada, that English has an adverse effect on their German speech, and that therefore the younger generation would be unreliable as informants.

<sup>11</sup> See Appendix F for a tabular comparison of the two countries as suitable environments for the maintenance of cultural inheritance.

For the history and description of the <u>ostmitteldeutsche</u> dialect region as a German colonial territory, see Adolf Bach, <u>Geschichte der deutschen Sprache</u> (Heidelberg, 1953), p. 134 and p. 168-69.

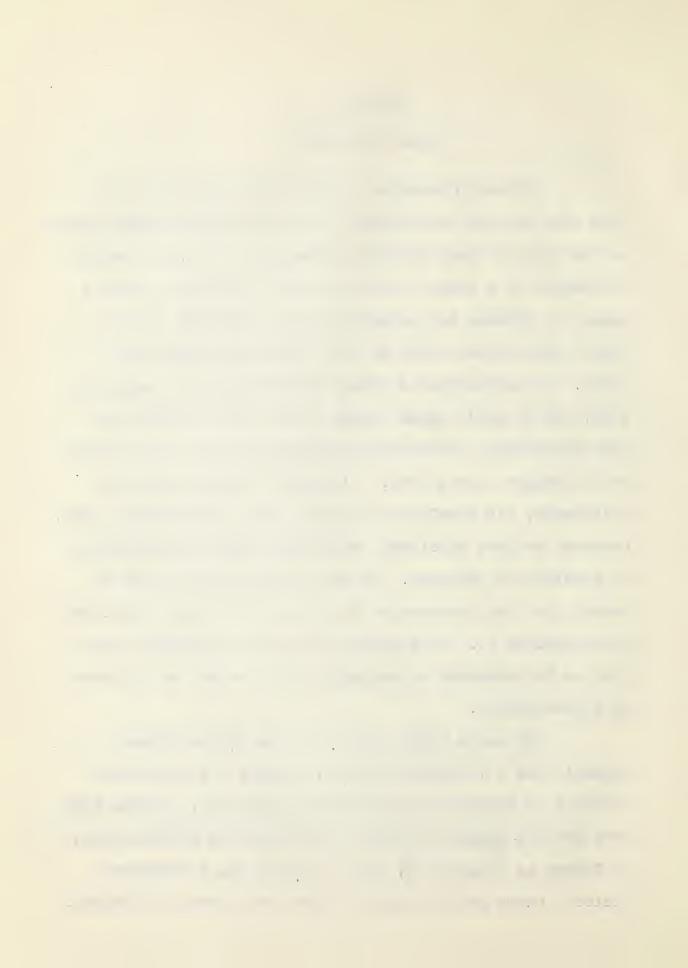


### CHAPTER II

# FIELD PROCEDURE

Although Germans in and around Edmonton do not live side by side in colonies, yet they actively participate in the life of their religious community. It was through the pastor of a rural district close to Edmonton, where a number of Germans are grouped around a Lutheran church, that I made contact with my first informant, aged about fifty. He had emigrated direct from Volhynia to Canada in 1928, and he still spoke German in the church community, with neighbours, and with his mother since her recent arrival in Canada, circa 1946. Although he spoke German by preference, his knowledge of English was exceptionally good. Moreover he knew Ukrainian, and showed great understanding of problems of language. He had not spent many years at school, but the instruction he got was thorough, and he had not forgotten it. This meant that he was extremely sensitive to the standard orthography, which served as his norm of pronunciation.

To begin with, I did not know whether there actually was a Volhynian dialect; perhaps the scattered colonies in Volhynia spoke different dialects; perhaps they were not old enough to undergo the levelling process known in German as "Ausgleich"; and, if there was a Volhynian dialect, there was no saying to what main group of dialects

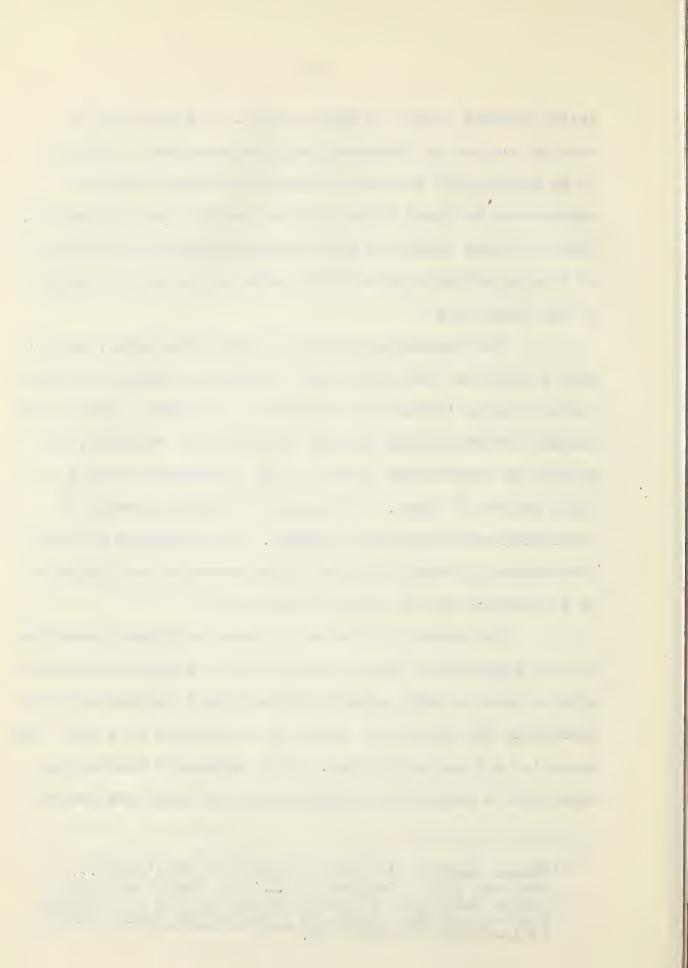


inside Germany proper it would belong. I had no way of knowing whether my informant was a representative speaker of an established Volhynian dialect; he might simply be reproducing an inner German dialect learnt from his parents. However, these questions were overshadowed by the necessity of finding suitable material to serve as the subject matter of the interviews.

The immediate problem of word lists arose, and in this connection, the difficulty of deciding whether to limit the linguistic items to be studied to a minimum, and try for maximum coverage using as many informants as possible, or whether to concentrate on one or two informants using a large number of items. In theory, an infinite number of in-between solutions were possible. This question of few-items-many-informants or few-informants-many-items seems to be a perennial one in dialect field work.

The second of the two extremes mentioned seemed to be more appropriate where a team of field workers were available to cover a large area of ground with a limited stock of questions, the answers to which can be plotted on a map, thus producing a linguistic atlas. It is because I was working alone that a compromise solution near the other extreme was

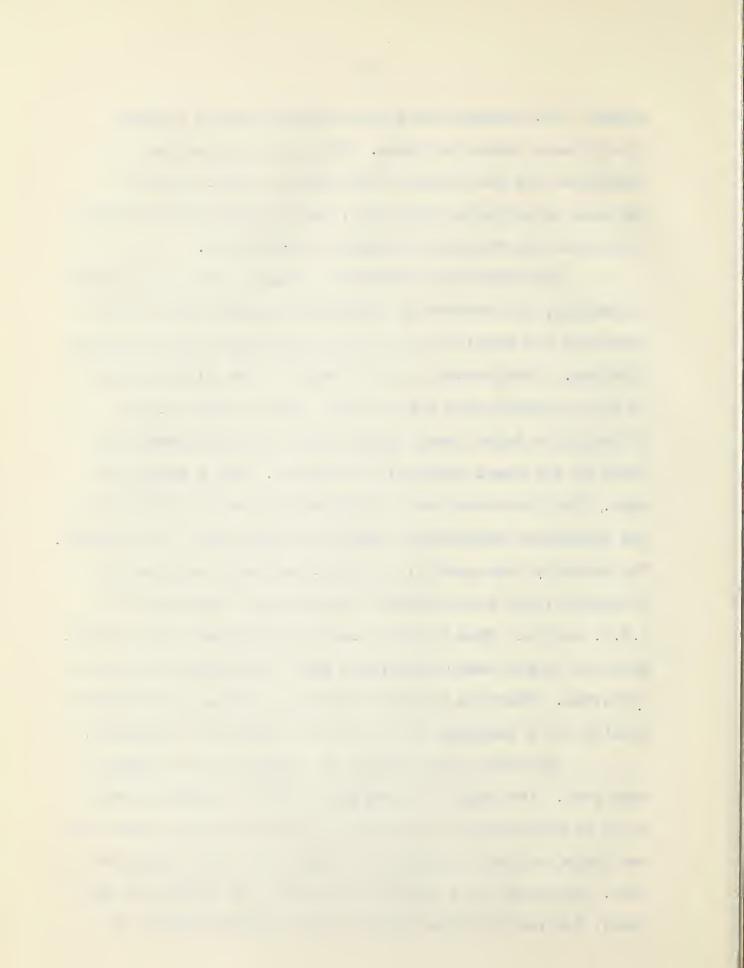
<sup>1&</sup>quot; Chaque commune d'un côté, chaque mot de l'autre...
Ces deux pôles d'attraction ...! (G. Tuaillon, "Exigences théoriques et possibilités réelles de l'enquête dialectologique," Revue de Linguistique Romane, XXII (July-December 1958), 307.



chosen, i.e. comparatively few informants and a comparatively large number of items. This at least was the intention, but two further difficulties arose: one was the lack of suitable word lists, and the other was the lack of the one or two more informants I would need.

The word-list chosen was a basic list of 216 words in English, all concerning fundamental human experience but obviously too small to be in itself the basis of any general findings. Furthermore, the informants I was always hoping to find in plenty did not turn up, and time was lost in following up false leads, mainly due to a widespread ignorance of the exact location of Volhynia. But a start was made. The interviews were conducted in a very informal way, and sometimes, admittedly, little work was done of an evening. The word-list was used in this way: each word was read out in English, and the immediate response was transcribed in I.P.A. script. This did not usually present much difficulty. However, it was later discovered that the transcription was too broad. There is a marked tendency towards underdifferentiation for a language which does not sound too unfamiliar.

Moreover, one has only a certain time to spend on each word. One may be determined to hear everything there is to be heard about each sound in the word all at once, but one finds one can concentrate on only one or two things at a time. One asks for a repetition to hear the quality of the vowel, and another repetition to hear whether the "r" is



trilled or fricative, and so on. The informant may be very accommodating, but he gets bored. It is for this reason that it was found expedient at a later time to do the same list over again on a tape-recorder.

A word might be said here about the relative merits of this instrument. It is fortunate that the farm-houses in Alberta have power, so that a reliable machine could be used. Possible objections to tape-recording are:

1) it may not accurately record or reproduce some of the fine details, 2) we are left with a sound, but we cannot see the mouth that produced it, and 3) it may put off people who get a kind of stage fright, when a microphone is thrust into their hand.

These objections are easily answered: 1) a good tape-recorder, properly used, misses nothing, 2) the interviewer has more leisure to watch lip or jaw movements when he is not working on a phonetic transcription, and 3) most people rather enjoy recording their voice after the initial repugnance is overcome. The advantages are speed of procedure, permanence of the record, and avoidance of repetitions, thus of the danger of changed forms.

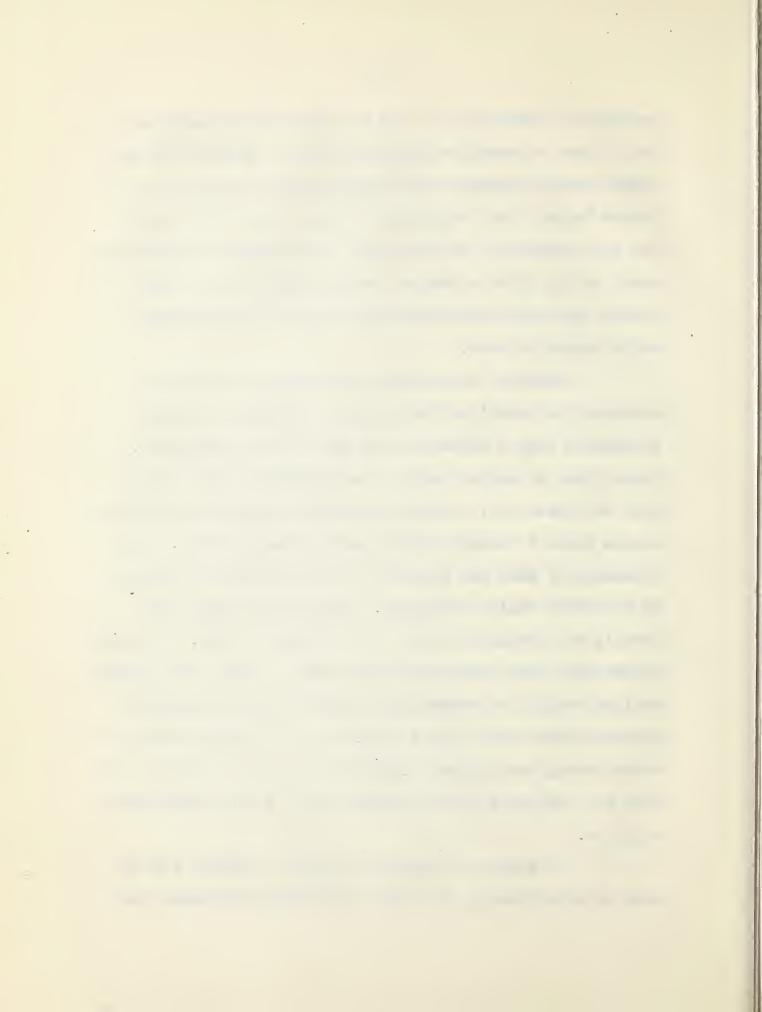
This brings us to the next stage. One cannot go on for ever recording phonetic minutiae which even the speakers themselves do not hear or do not regard as essential features of their system of sounds. In other words,



one has to "phonemicize." On the basis of the material I had, I made a tentative phonemicization. Having done so-rather rashly perhaps—the temptation was to use it to record "texts" i.e. connected discourse, with the help of the tape—recorder. My Volhynian friend agreed to give the story of his life in Canada, on tape (174 ft. at 3 3/4 speed), and this was transcribed using my new alphabet, which seemed to work.

However, theoretical considerations made it necessary to establish the phonemic system on a surer foundation than a 216-word list and my own impressions. Check-lists of words likely to be familiar to the informant were made out, bringing together in various positions sounds which I thought had the same phonemic value. The knowledge of what was familiar to the informant increased as my weekly visits continued. Altogether, there were roughly one thousand items, all recorded on tape. In spite of the fact that these words were spelt in the usual German spelling—with its normalizing effect on the informant's pronunciation—these lists proved to be of great value in establishing the phonemic system which was used later, and they are the basis of the symbols used in the present description.

It would be tedious to report in detail all my work with informants, for more eventually did appear, and



"auxiliary" informants as Kurath<sup>2</sup> calls them. All these recordings show common features which tend to confirm that Volhynia does in fact have a dialect of its own. Not all of this material has been used, and it is hoped to continue the work of analysis into the fields of morphology and syntax. In the meantime, the present study has been confined to phonology.

While there is general agreement on the basic principles of phonology, methodological problems still arise in the application of these principles to a particular dialect. In what follows, some slight indication is given as to the problems which arose during the course of the investigation.

For example, when two similar phones are in complementary distribution, e.g. [k] before high front vowels and [k] before high back vowels, we suspect that like the butler and the murderer who never appear on stage together, they are one and the same character, the rather serious dissimilarity being interpreted merely as a difference of disguise. This was the solution adopted for all the velars in Volhynian German, giving a series /k,  $\gamma$ , x, y which show a wide range of point

<sup>&</sup>lt;sup>2</sup>Hans Kurath, Handbook of the Linguistic Geography of New England (Washington, 1954), p.161.

<sup>&</sup>lt;sup>3</sup>For general principles see e.g. Charles Hockett, <u>A Course in Modern Linguistics</u> (New York, 1958), which also deals with the procedure to be followed in setting up the phonemes from material gathered in the field. See in particular pp. 15-26, and 102-11).



of articulation according to phonetic context.

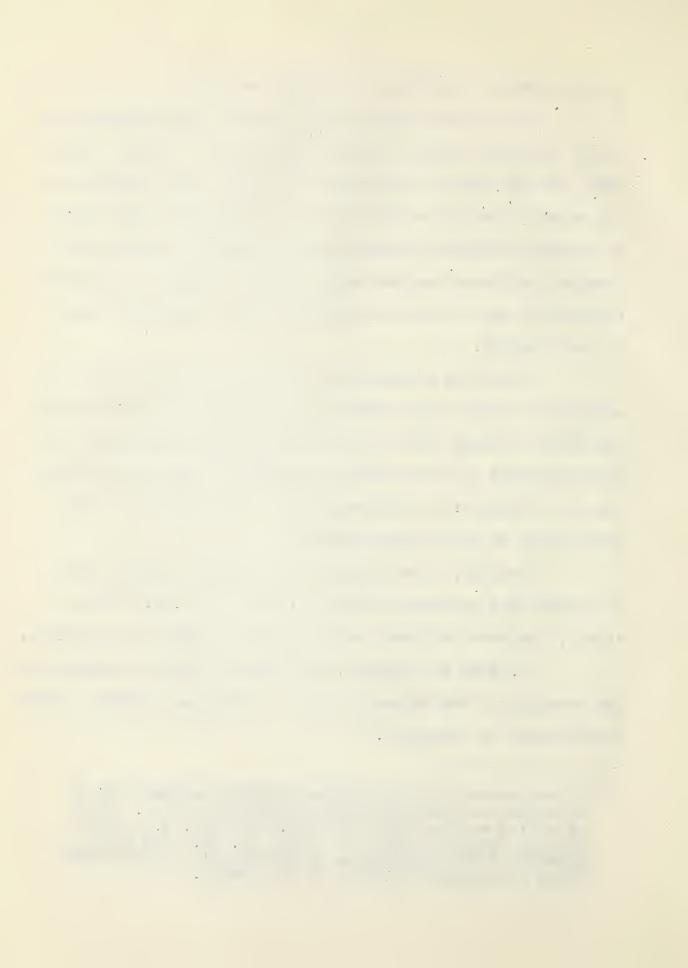
The second example deals with the chief characteristic of Volhynian German, namely "Entrundung." My main informant, who was about fifty years old, would, when prompted by his mother, produce rounded forms of high front vowels which he normally produced unrounded; and his mother liked to sit through the interviews and make sure her son made no mistakes. Yet both he and she would regularly produce unrounded forms in conversation.

Since the pronunciation would vary from rounded to unrounded or vice versa within a few moments, it seemed quite impossible to keep track of them. With some misgivings, the writer decided to record those forms that seemed most natural and most frequent: in this way, and to this extent, he has been guilty of some "normalization."

Even so, if we compare the presumed phoneme pairs of rounded and unrounded vowels /i:-U:,  $i-\gamma$ ,  $e:-\phi:$ , e-ce, ai-oi/, the case for their merger could be made out as follows.

1. They are similar: the spread forms are centralized; the rounding of the rounded forms is a vertical rounding, which is difficult to recognize.<sup>4</sup>

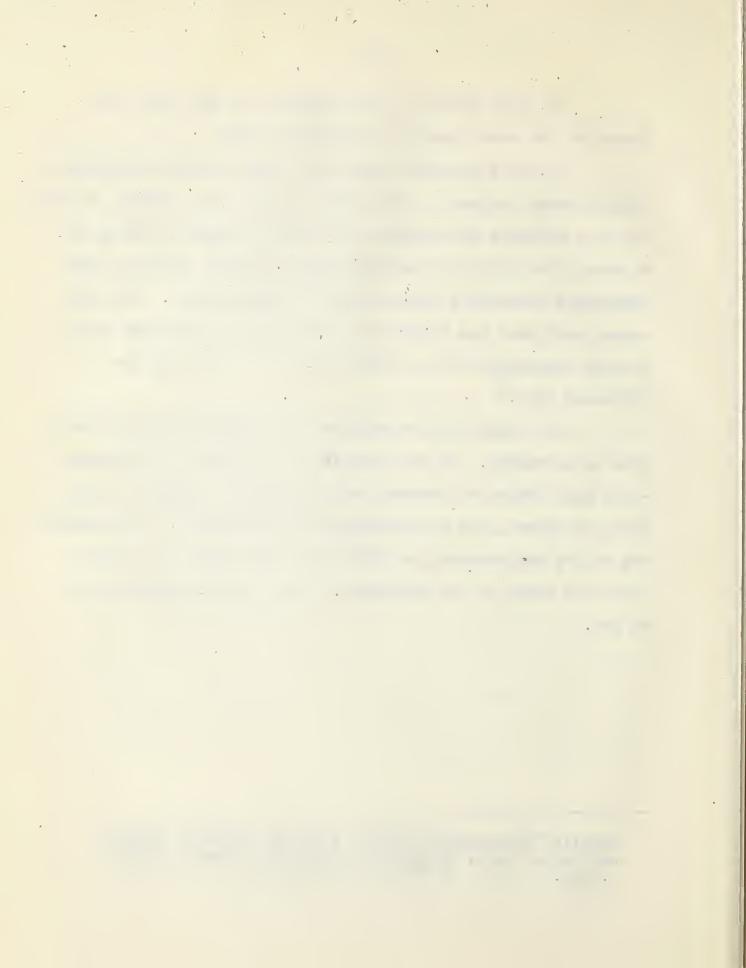
<sup>4&</sup>quot;A long narrow slit is produced between the two lips by bringing the lips vertically nearer each other. This is called vertical lip rounding." See R-M. S. Heffner, General Phonetics (Madison, 1949), p. 98. See also Appendix E for photographs of informant's lip-position taken during pronunciation of the vowels.



- 2. They occur in free variation in the same word spoken by the same speaker at different times.
- 3. As a phonemic opposition, their yield in differentiating words is small. If a count is made for a number of words out of a standard dictionary, the yield is maybe as low as 7%. No doubt, the yield for any particular dialect, having a more restricted vocabulary range, would be much smaller. For this reason each pair was treated as one phoneme, giving the series of high centralized front vowels /i:, i, e:, e/, and the diphthong /ai/.

To establish the phonemes of a language, an over-all view is necessary. To some extent it is a matter of judgement -- the best judge, of course, being the native speaker; though being an expert, all his judgements are automatic. The student has to try deliberately to infer the system from the unself-conscious usage of the informant. This remains something of an art.

<sup>&</sup>lt;sup>5</sup>Usually "Entrundung" affects a whole series of sounds: see Eugen Dieth, <u>Vademekum der Phonetik</u> (Bern, 1950), p. 352.



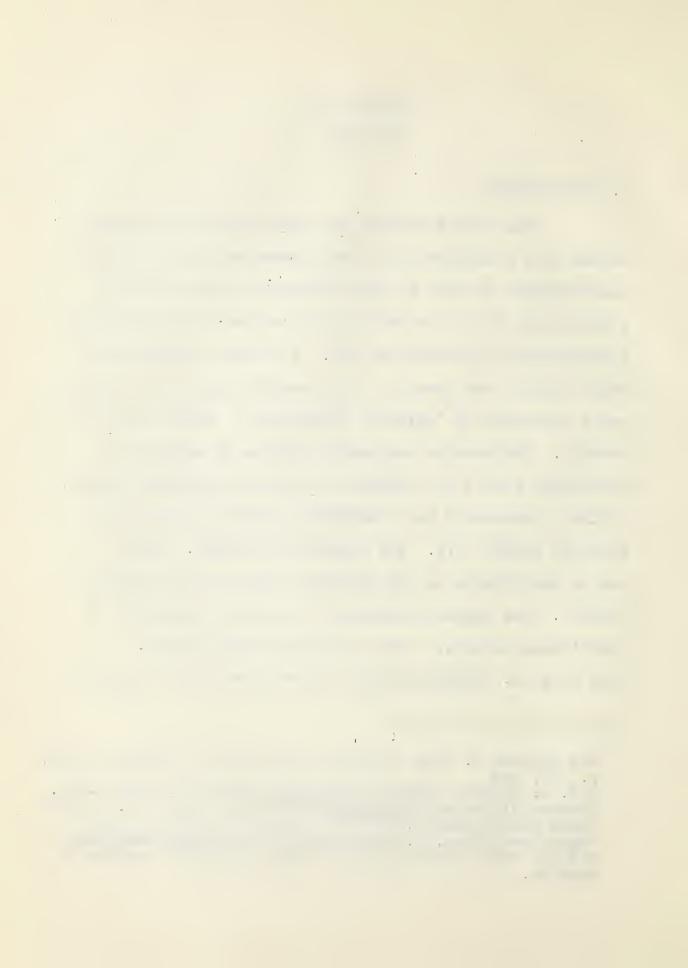
### CHAPTER III

#### PHONOLOGY

#### A. INTRODUCTION

The writer follows the usual division of speech sounds into consonants and yowels based on friction noise and resonance as well as their function in the syllable; vowels function in the main as the nucleus of the syllable, and consonants generally do not. A further classification would yield a sub-group of "semi-vowels" within the vowels, and a sub-group of "syllabic consonants" within the consonants. Semi-vowels are vowels capable of serving as consonants within the syllable, and not as syllable nuclei. Syllabic consonants are consonants capable of serving as syllabic nuclei, e.g. the liquids and nasals. There are no semi-vowels in the phonemic system of the present dialect. The random occurrence of syllabic consonants, functioning as such, has no phonemic significance.

See Kenneth L. Pike, Phonetics (Ann Arbor, Michigan, 1958) p. 118, and R-M. S. Heffner, General Phonetics (Madison, 1949) p.114. Leonard Bloomfield, Language (New York, 1933), pp. 121-24, calls them "sonants." Eugen Dieth (esp. p. 169) uses the term "Halbkonsonante," but the term "semiconsonants" has a different meaning in America.



and the sounds accompanying these in the syllable, as "consonants."

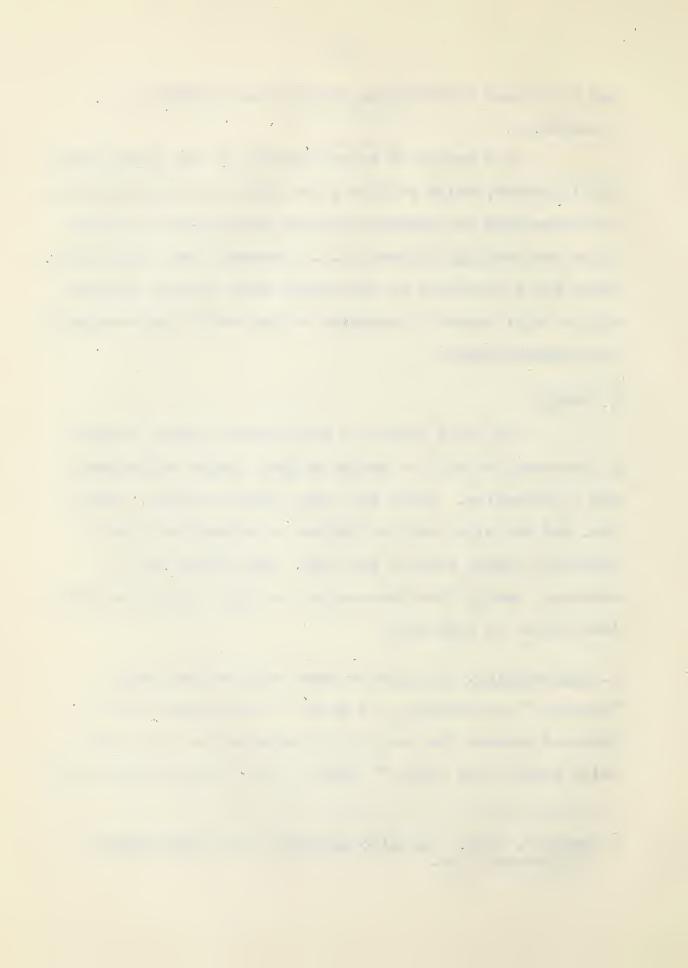
As a result of an examination of the distribution of allophones, which will be given later, and the following considerations the system of sounds which serve to distinguish the meanings of words i.e. "phonemes" was established. These are illustrated in the charts which follow, together with a brief general discussion of the vowels and consonants as separate groups.

#### B. VOWELS

The vowel system of the present dialect evinces a three-way contrast of tongue-height, tongue advancement and lip-rounding. There are three tongue heights, namely low, mid and high; and two degrees of advancement and retraction, namely central and back. Two glides are in evidence, namely from low-central to high central, and from low-central to high-back.

1. <u>Lip-rounding</u>. By this is meant what Heffner calls "vertical" lip-rounding, in which "a long narrow slit is produced between the two lips by bringing the lips vertically nearer each other." There is no lip-protrusion, but

<sup>&</sup>lt;sup>2</sup>Heffner, p.98. See also Appendix E for photographs of lip-positions.



in the position for "u" there is extra contact at the extremities of the lip aperture.

Rounding is tied to the other factors of tongue advancement and tongue height, insomuch as back vowels are more rounded as tongue-height increases. In the case of the central series at all heights, rounding appeared in free variation with non-rounding.

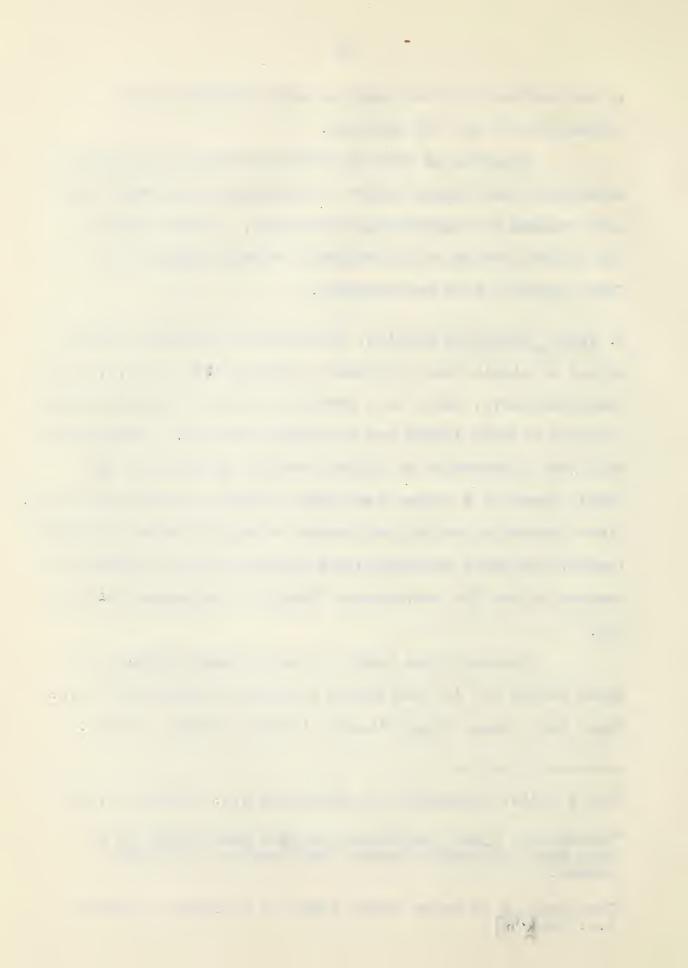
2. <u>Vowel length and tension</u>. Phonemically distinct from the series of simple vowel contrasts, phonemicized as /i,e,a,o,u/, described above, there is a parallel series of vowels showing features of both length and increasing tension. Phonetically, they were interpreted as glides from the position of the simple vowel to a higher and tenser variety in the same region. Since increasing height and tension always accompany increased length, the whole phenomenon was regarded as one contrastive feature called for convenience "length," and phonemicized as /:/.

Generally the vowel in the stressed syllable is short before /x, š/, and before a group of consonants, e.g. /bux/tux/visen/furxt/'book', 'cloth', 'wipe', 'fear'.

<sup>&</sup>lt;sup>3</sup>For a fuller discussion of glides see e.g. Heffner, p.110.

Bloomfield, p.109, mentiones the fact that length is a much more noticeable feature than tension in standard German.

<sup>5</sup>Consonants with extra length count as consonant clusters, e.g. [bak·n]

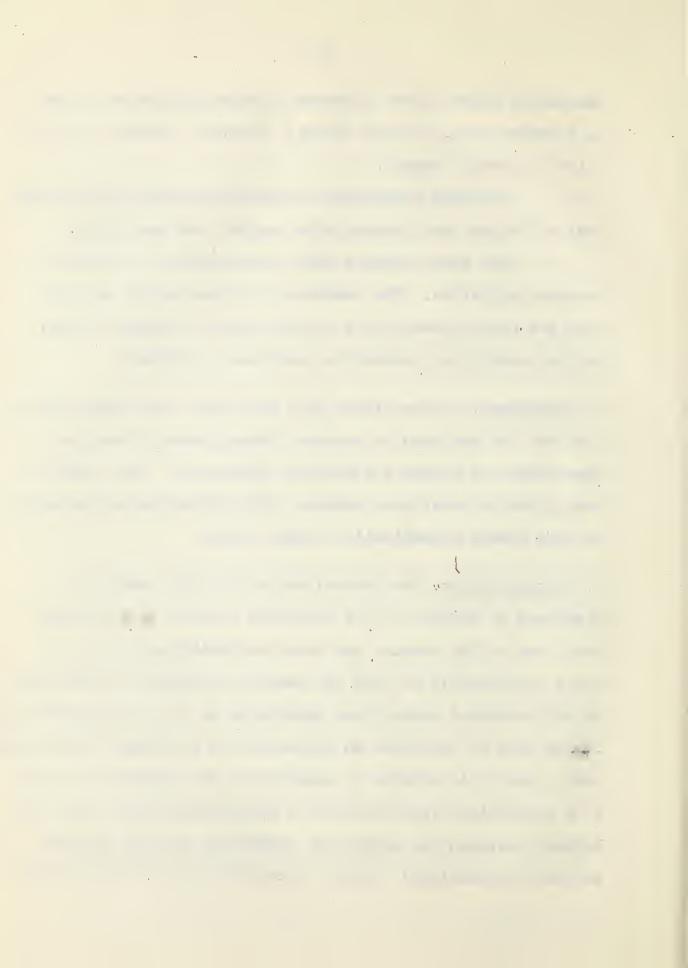


Exceptions occur before clusters in which the second element is a dental, e.g. /e:rde/ 'earth', /šla:ft/ 'sleeps', /li:xt/ 'lies', /fe:rt/ 'horse'.

No other distinction of length was discovered except that of "simple" and "simple plus length" just described.

The above remarks refer particularly to vowels in stressed syllables. The features of rising height and tension are hardly perceptible in positions of reduced stress, and are simply not present in unstressed syllables.

- 3. <u>Diphthongs</u>. In the glides /ai/ and /au/, the tongue moves from one lax position to another. Both elements have the same degree of length and acoustic prominence. The transitional glide is relatively abrupt. The diphthongs are regarded as long vowels phonemically in this study.
- 4. Centralization. The centralization of high vowels is discussed by Heffner in the following terms: "...although they remain high vowels, the whole articulatory position is moved horizontally so that the maximum elevation of the tongue is medio-palatal rather than prepalatal as it is for normal [i] ...We need to recognize an unrounded and a rounded centralized vowel, and it is helpful in addition to say whether the vowel is a centralized front vowel or a centralized back vowel. The boundary between the latter two categories is very unstable and the International Phonetic Association does not recognize



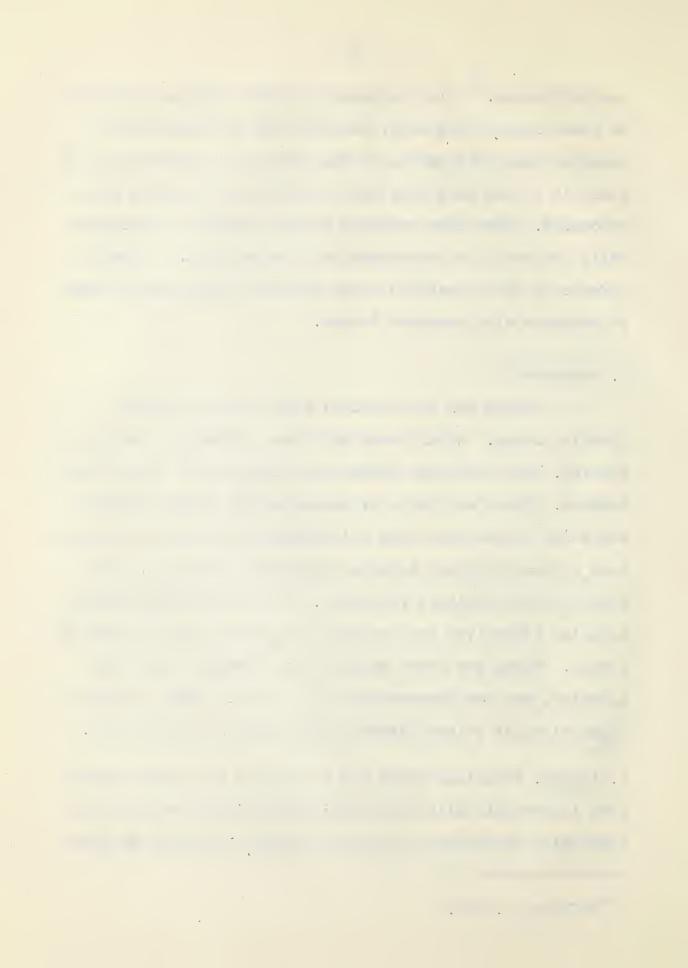
the difference." In the present dialect they are taken to be front rather than back, but with the peculiar form of rounding mentioned above, it was found to be practically impossible to say when they were rounded and when they were unrounded. When some rounding became evident, it was generally the result of an attempt at "correctness." Special efforts in this direction often produced hypercorrect forms at variance with standard German.

## C. CONSONANTS

There are two bilabial stops and two bladealveolar stops. Within each pair the contrastive feature is
voicing. The voiceless dorso-velar stop has no voiced counterpart. There are pairs of labio-dental, blade-alveolar,
and velar fricatives, each pair showing contrast of voicing,
also a frontal palato-alveolar voiceless fricative, and a
voiced frontal-palatal fricative. The alveolar and palatoalveolar fricatives are grooved--the latter more so than the
former. There are three nasals--one bilabial, one blade
alveolar, and one dorso-velar--all voiced. There is also a
blade-alveolar voiced lateral and an apical voiced trill.

1. <u>Length</u>. Voiceless stops and fricatives were held longer both intervocalically and finally after short vowels, thus confirming the theory of syllable balance outlined by Dieth,

Heffner, p. 109.

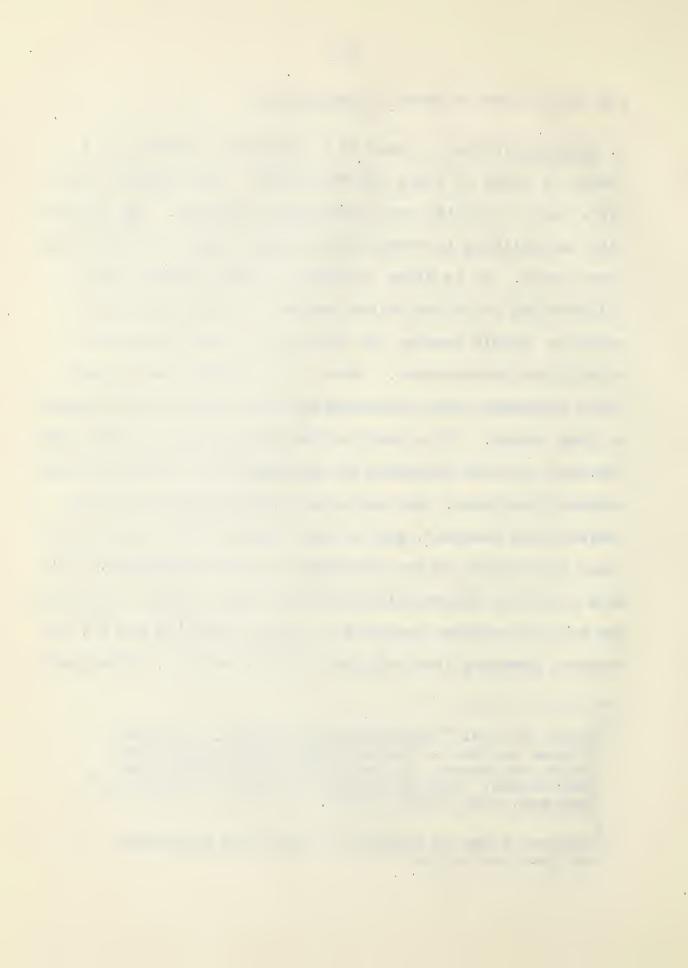


but there is no evidence of gemination. 7

2. Voicing. Voicing is used as a distinctive feature in a number of pairs of stops and fricatives. This applies, however, only to initial and intervocalic position. The distinction is nullified in word-final position, where only unvoiced forms occur. It is often difficult to find minimal pairs illustrating voiceless/voiced contrast in the intervocalic position, mainly because the question of vowel length and voicing are interrelated. There is a tendency, as in many other languages, for intervocalic voiced stops to be preceded by long vowels. It is easy to find pairs such as /reten/ and /re:den/, and the frequency of such pairs is evidence for the tendency mentioned. But we do not find many pairs such as /ba:den/ and /ba:ten/, and in this instance, the second form would not be part of the informants' active vocabulary. 8 [d] does not occur intervocalically after short vowels. Therefore. the bulk of evidence required to justify that [d] and |t| are separate phonemes lies with the initial position. Here again,

<sup>7</sup>Dieth, p. 134: "Silben-Ausgleichs-Regel." For the dilemma whether to choose vowel length or consonant length as phonemic in such balanced syllables, see Kemp Malone, "Long and short in Icelandic Phonemics," Language, XXIX (1953), 61-62.

<sup>&</sup>lt;sup>8</sup>The past tense is regularly formed with auxiliary and past participle.



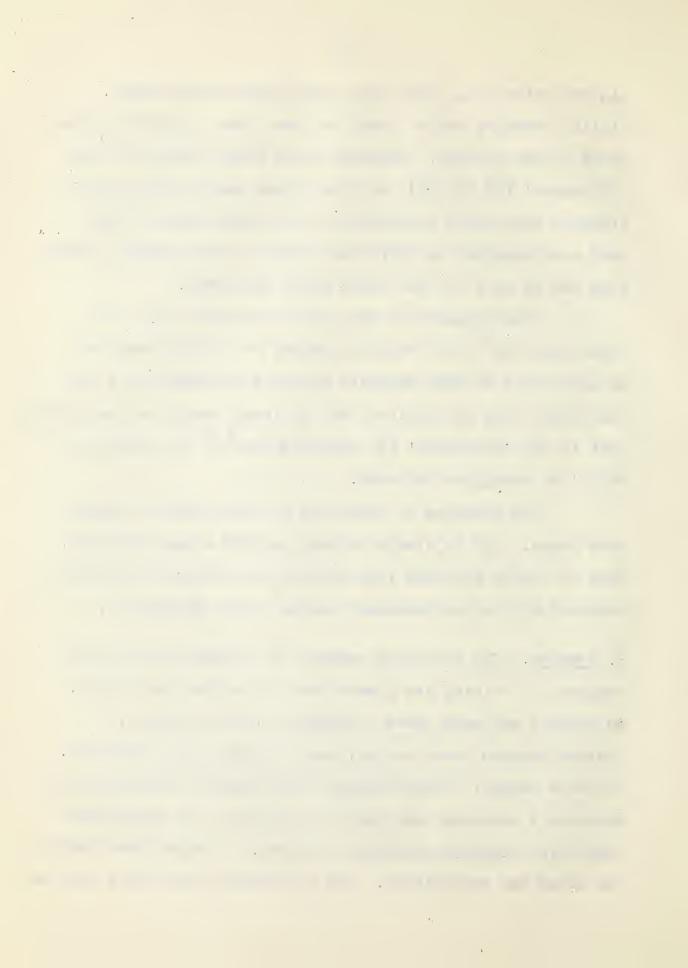
minimal pairs (e.g. /du:/ and /tu:/) are not plentiful.

Similar examples can be found for the other voiced/voiceless pairs in the dialect. However, since substitutions of the informants' [d] for [t], or vice versa, made by the investigator, were never acceptable, it has been assumed that they were regarded as different sounds by the speakers. The same can be said for the other pairs mentioned.

Particularly in the case of the pair "s,z", of which only the voiced variety appears in initial position, we are forced to base separate phonemic treatment on a very few cases, such as /fli:zen/ and fli:sen/, again on the grounds that if the informants' [z] replaced the [s] of /vaser/, he would not recognize the word.

No examples of devoicing of the liquids or nasals were heard. /j/ is always voiced, and  $/\mathring{s}/$  always unvoiced. Thus it can be affirmed that voicing as a source of phonemic contrast within the consonant system is not productive.

3. Tension. The voiceless members of the pairs which show contrast of voicing are always more tense than the voiced. An attempt was made, when listening to the informant, to isolate tension from voicing, and to treat each separately. For this reason, in both phonetic and phonemic transcription, whenever a consonant was heard as unvoiced, the appropriate symbol for unvoiced consonant was used, no matter how "lenis" the sound was articulated. The alternative would have been to



use such symbols as [d] meaning a lenis voiceless alveolar stop, but this does violence to the convention that [t] is voiceless and [d] is voiced, and seemed to be less satisfactory than [t].

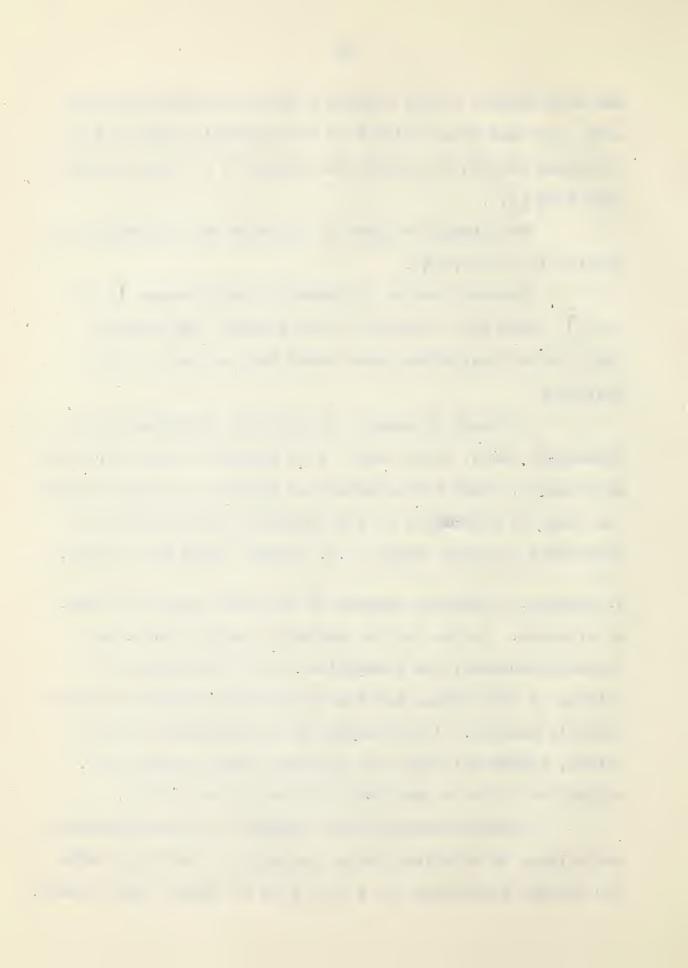
No attempt was made to indicate any differences of tension in  $\left[1,r,m,n,\eta\right]$ .

Reduced tension in normally fortis sounds [p,t,k,f,s,x], noted as H, occurred finally after long vowels; their voiced equivalents were heard only as lenis in all positions.

Although in general the tension of fricatives is relatively lenis, since there is no complete closure or build-up pressure, there are nevertheless degrees of tension within the range of occurrences of any fricative; this tension is manifested in extra length: e.g. compare "Ofen" with "offen."

4. Release. Aspirated release of voiceless stops is always in evidence. In the initial position, before vowels and voiced consonants, the transition from voicelessness to voicing is very close, and the intervening aspiration may be scarcely audible. Its presence can nevertheless be ascertained, beyond all doubt, by a simple hand-to-mouth test. Aspiration is not a prominent feature of the dialect.

Another characteristic feature of the articulation and release of voiceless stops, and which, I believe, makes for minimal aspiration, is a wide area of rather firm contact.



The release is effected simultaneously over the whole width of contact area. The voiced stops share this same feature of width of contact, but of course, being lenis, without the firm articulation.

One or two examples of nasal release, such as [špalt, n] were heard, but these are not regarded phonemically significant.

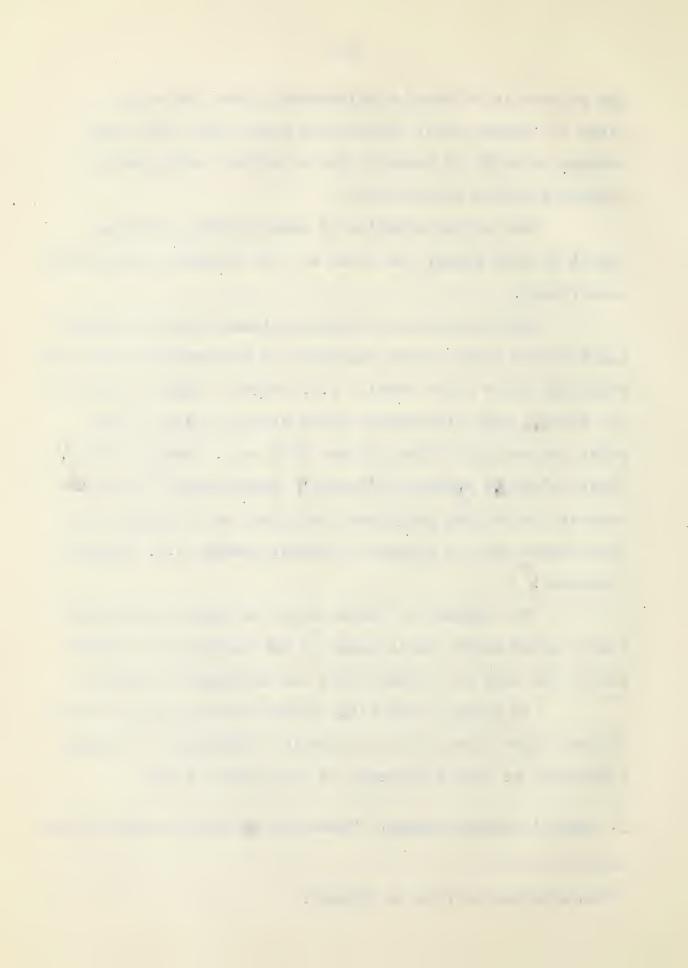
Affrication as a form of release from the bilabial and alveolar stops occurs regularly in intervocalic and final positions after short vowels, e.g. /apfel/ 'apple', and /hitse/ 'heat', also after short vowel plus /r,l,m,n/, (/pf/ after /m/ and /ts/ after /r/ and /n/), e.g. /herts/ 'heart', /pelts/ 'pelt', /yrentse/ 'border', and /štumpf/9 'blunt'. However, in initial positions, only /ts/ is in regular use; /pf/ occurs, but is a sign of careful speech, e.g. /pfarer/ 'minister'.

The feature of length which we expect intervocalically after short vowels shows in the duration of closure before the stop is released into the homorganic fricative.

In spite of the close transition from stop to fricative, there seemed to be no special advantage in treating affricates as single phonemes in the present study.

5. Lateral, trill, nasals. These are specially stable, being

<sup>9</sup>An alternative form is /stump/.

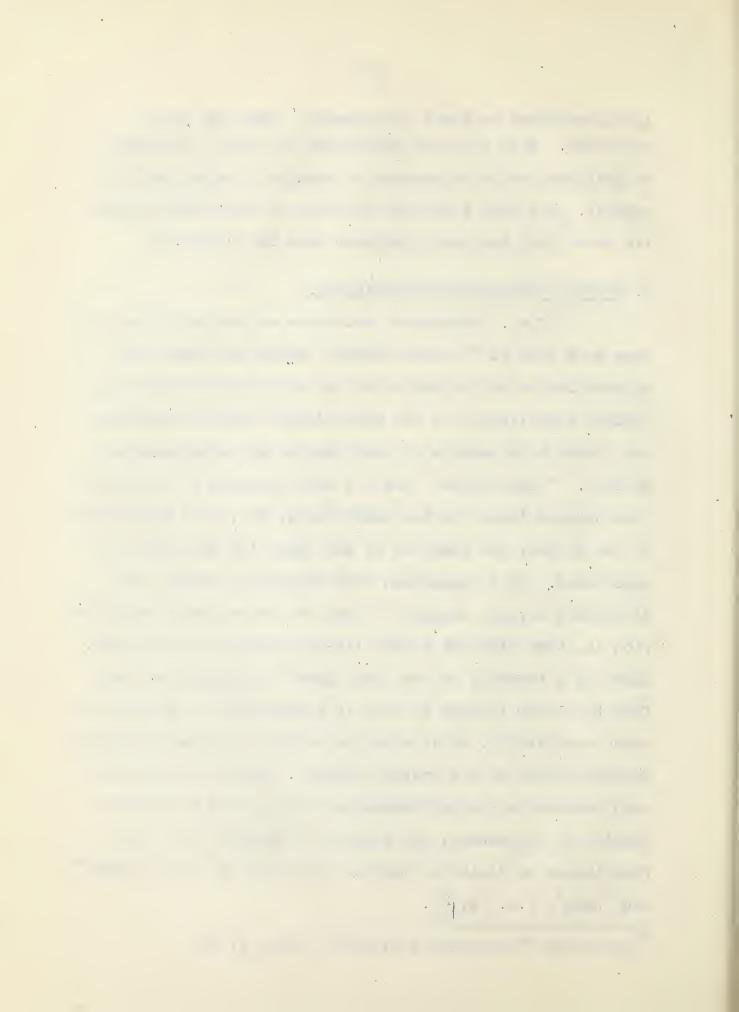


little affected by their environment. They are never voiceless. They all show variations in length, according to position, which correspond to tension in stops and fricatives. All have a special function in unstressed syllables where they are more prominent than the vowels. 10

# 6. Specific phonetic considerations.

/f, v/. Labiodental voiceless and voiced fricatives. Some such term as "bi-labio-dental" might have been more appropriate as an indication of the difficulty of deciding whether the bilabial or the labio-dental quality predominates, since both manners of articulation are simultaneously present. "Labio-dental" has its usual meaning of constriction between lower lip and upper teeth, but, in a description of the sounds, the position of the upper lip has also to be considered. If a comparison with English is useful, the difference between English "v" and the sound under consideration is, that with the slight lip-protrusion of the former, there is a tendency to curl the upper lip upwards and away from the lower (though if this is exaggerated it deforms the sound completely), while with the width of lip-participation characteristic of the present dialect, the top lip does not tend upwards but rather downwards -- thus giving a bilabial quality to the sounds, not present in English "f,v," but reminiscent of dialectal English ("wh" and "w" as in "where" and "were", i.e.  $[\emptyset, \beta]$ ).

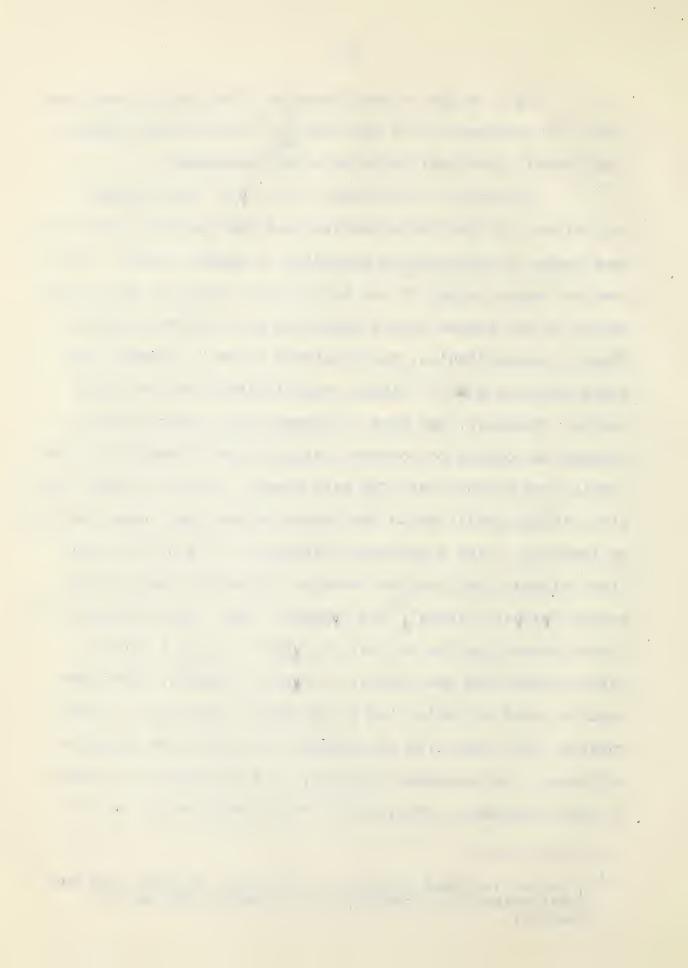
See under "Unstressed syllables" below, p. 62.



/y/. Velar voiced fricative. This sound sometimes gives the impression of a very lax [g], but closer examination reveals continual friction noise throughout.

/y,x,k,n/. The velars, i.e. /v/, its voiceless equivalent /x/, the voiceless stop and the nasal all share the same range of modification according to speech context. precise tongue height of the body of the tongue at each realization of the sounds varies according to the vowel context. Thus, in monosyllables, when followed by an "i" vowel, the sound acquires an "i" timbre, and similarly for the other Moreover, the area of tongue-velum constriction is variable according to context, being further forward for front vowels, and further back for back vowels. This in itself would give various qualities to the sounds without any tongue raising or lowering. With diphthongs following, it is not only the first element that has the decisive influence: the initial sounds /yaiye/ 'fiddle', and /yaumen/ 'gum' are different, the former resembling the initial of /ye:en/ 'to go and the latter resembling the initial of /ya:r/ 'cooked'. The same could be said of /kain/ 'no', and /kaum/ 'scarcely!. vocally, the vowel with the greater stress has the decisive influence. In consonant clusters, this influence is blocked by semi-consonants, /m,n,l,r/, 11 which count as "e" or "i"

n is not included because it itself is variable like the other velars; in /tsaitunx/ for example, /x/ has "u" quality.



vowels in this respect.

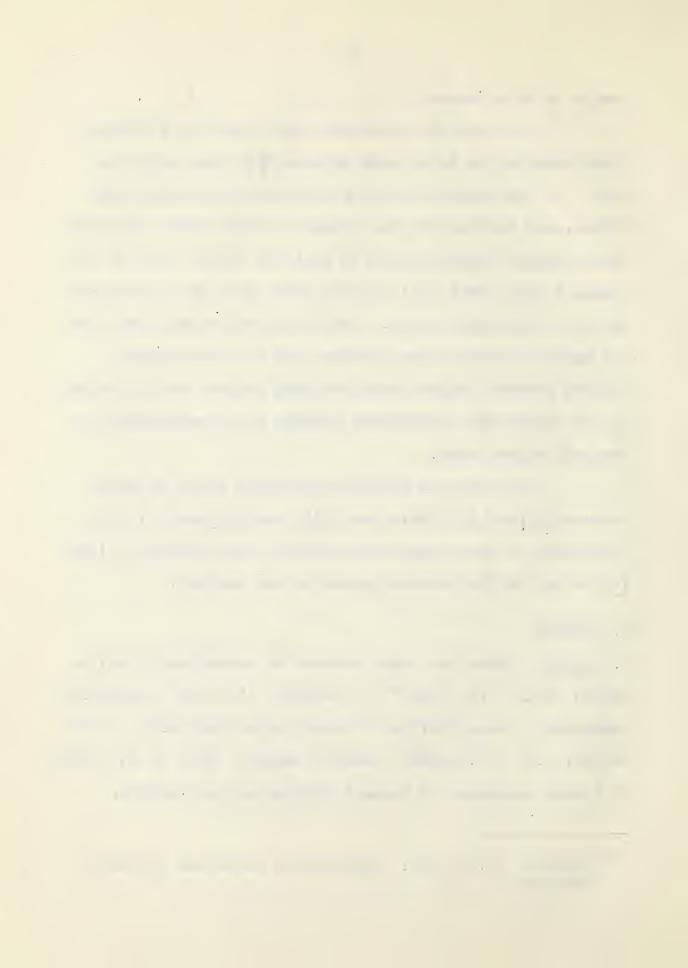
It should be noted here that there is a phonological distinction to be made between /ye:/go, and /je:/ever. If the tongue is in the position to pronounce the former, and the back of the tongue is then removed from the velum without changing the [e] position of the rest of the tongue a pure vowel will result; there will be no consonantal i.e. frictional noise. The frictional noise comes from the partial dorsum-velum closure, and not from partial closure between tongue-front and hard palate, as in the case of /j/, which may be produced without any constriction in the soft palate area.

The parallel distinctions which could be made between  $\begin{bmatrix} x_i \end{bmatrix}$  and  $\begin{bmatrix} \zeta \end{bmatrix}$  (devoiced  $\begin{bmatrix} j \end{bmatrix}$ ), and  $\begin{bmatrix} k_i \end{bmatrix}$  and  $\begin{bmatrix} c \end{bmatrix}$ , are irrelevant to the present discussion, since neither  $\begin{bmatrix} \zeta \end{bmatrix}$  nor  $\begin{bmatrix} c \end{bmatrix}$  belong to the phoneme system of the dialect.

#### D. PROSODY

1. Stress. There are three degrees of stress which can be called "full" (/), "half" or "reduced" (\), and "unstressed" (unmarked), though Heffner would prefer "minimal" for the latter; e.g. /le:derjak/ "leather jacket." This is an example of a noun compound; it shows a typical stress pattern.

<sup>&</sup>lt;sup>12</sup>Heffner, pp.225-226. Alternative terms are "primary, secondary."



Derivational affixes frequently carry reduced stress; e.g.

/gastvirtšaft/ 'hotel', /naxba:r/ 'neighbour', /fraihait/

'freedom', /furxtsam/ 'fearful', /hektar/ (a land measure),

/je:nsait/ 'beyond', /alkoho:l/ 'alcohol', /kilome:ter/

'kilometer'. The pattern in the last example can also be

seen in such phrases as /maine muter/. The main syllable of

verbs formed by verb-compounding adverbs may receive reduced

stress; e.g. /aptsi:en/ 'to take off', /aufgestanden/ 'stood

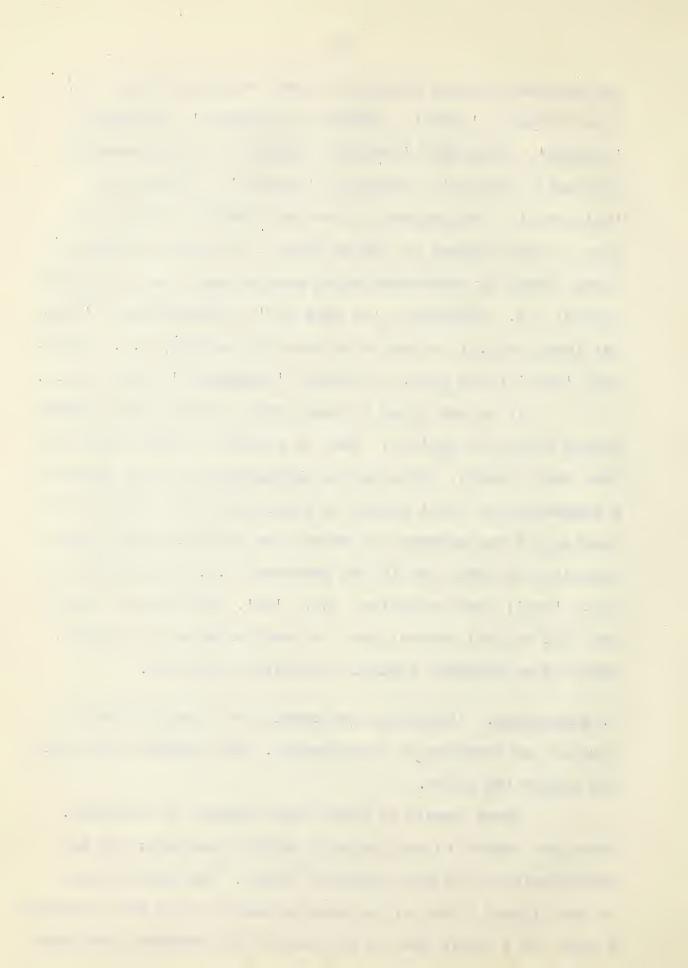
up' (past part.); but may also have full stress, e.g. /ferlo:
ren/ 'lost' (past part.), /erkant/ 'recognized' (past part.).

It is not clear to what extent vowels under reduced stress differ in quality. What is evident is that they often lose their length. This can be demonstrated best by means of a comparison of vowel length in words which are identical in meaning for the speaker but which have short and long forms depending on their use in the sentence, e.g. /ja/ expletive, /ja:/'yes'; /zo/ expletive, /zo:/'so'. The first in each pair has minimal stress, but its vowel retains its quality. There is no tendency towards the central position.

2. <u>Intonation</u>. Intonation and stress are closely bound up together as features of accentuation. The greater the stress, the higher the pitch.

Three levels of pitch can, however, be isolated.

These are varied in many ways by skilful speakers; nor are they absolute, but only relative levels. The voice rises to the highest pitch on the main syllable of the word (usually a noun, or a verb) that is to receive the greatest prominence



in the utterance;

e.g.

l 23 32 1 /ix va:r ze:r krank auf dem šif \/ "I was very sick on the ship."

Sometimes the same level is maintained over a number of syllables;

e.g.

1 3 2
/da vurde ix auf maines fa:ters bukel genomen / (incomplete "Then I was taken on my father's back..." utterance)

There may be a gradual transition from one level to another;

e.g.

3 2
/manxmal va:r es zo: geve:zen / (gradual fall from 3 to 2)
"Sometimes it happened..."

The sequence of pitch levels 3, 2, 1, distributed over the three fully stressed words of the following sentence show that stress is not always tied to pitch; the effect is to isolate and so emphasize to the maximum:

1 2 1 2 3 2 1 /ix kan maine muter nixt me:r ze:en// "I can never see my mother again."

Here is a question:

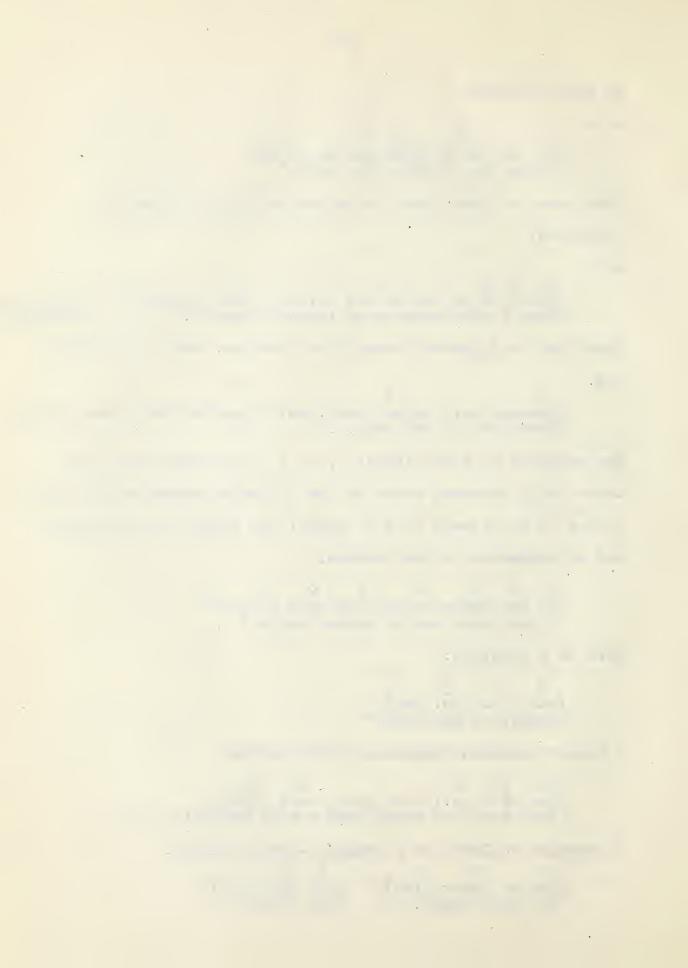
2 1 3 /vali bist du: das// "Wally, is that you?"

A longer question requesting verification:

1 3 2 32 23 /das va:r vo:l aine halbe mail nixt // "That would be about half a mile wouldn't it?"

A question followed by a command--both pleading:

1 3 2 3 2 1
/unt du kanst nixt / /kom dox haim //
"and you cannot?-- Come home!"



Friendly insistence is implied in the paternal tones of the family doctor speaking to the over-studious boy in the following example, illustrating at the same time a pitch glide within a single syllable:

2 3 23 /bixer vek 1/ "Enough of books!"

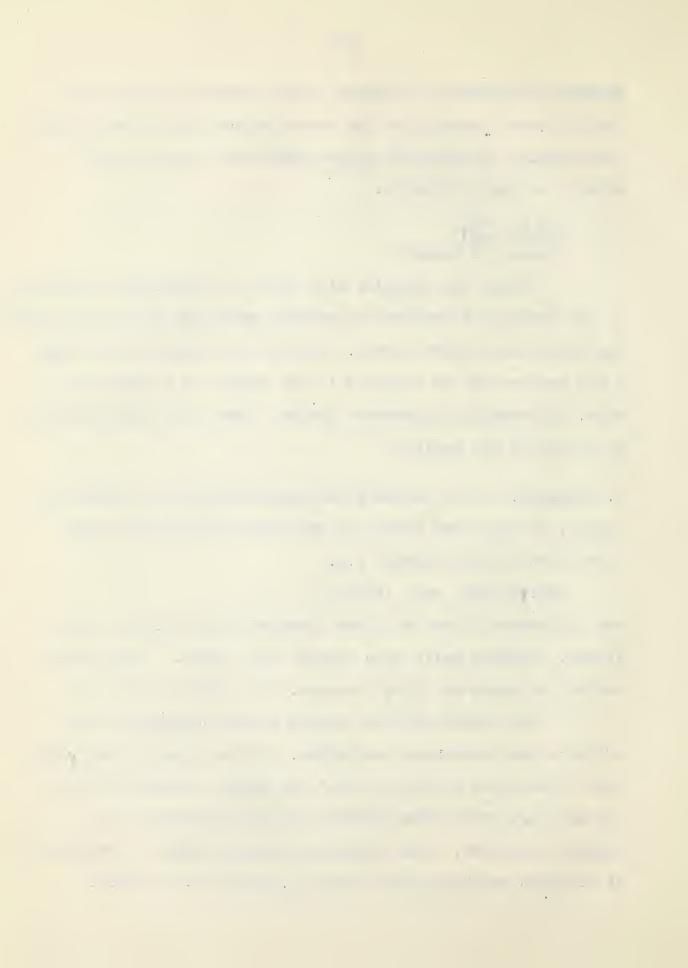
These few examples will serve to demonstrate something of the variety of intonation patterns which can be achieved with the three basic pitch levels. It must be remembered too that a new pattern may be inserted in the middle of a larger pattern, for example in reported speech. Thus, the possibilities of variation are endless.

3. <u>Juncture</u>. If we consider the sequence [st] in connected speech, we find that there are two ways of moving from the first sound to the second, e.g.

/aufyetišt/ and /tištux/

the difference is one of close transition and distinct transition. Hockett calls them "muddy" and "sharp." The second variety is known as "plus juncture," its symbol being /+/.

No cluster of /sn/ occurs at the beginning of any of the single utterances collected. In the phrase /esen ya:ps nixt/ 'there was nothing to eat', we assume juncture between /s/ and /n/, rather than between /p/ and /s/ which is a possible sequence. Plus juncture is most evident in sequences of stressed morphological forms e.g. /main li:ber mens/.



Since the customary separation of words shows where plus junctures occur, they are usually omitted.

Comparing /aberix tu:/ with /aber ix/, we find that /ix/ in the second case begins with glottal stop. In /hap ix/ the /p/ occurs in its semi-lenis unaspirated form. This would suggest plus juncture is that kind of transition which precedes glottalized vowels and follows semi-lenis voiceless consonants, such as  $\begin{bmatrix} p^1 \end{bmatrix}$ . However this question would require further study.

There follows a list showing the distribution of the sounds of the dialect grouped under their respective phonemes.



### E. TABLE OF PHONEMES

## Vowels

Simple Long

i u i: u:
e o e: o:
a a:

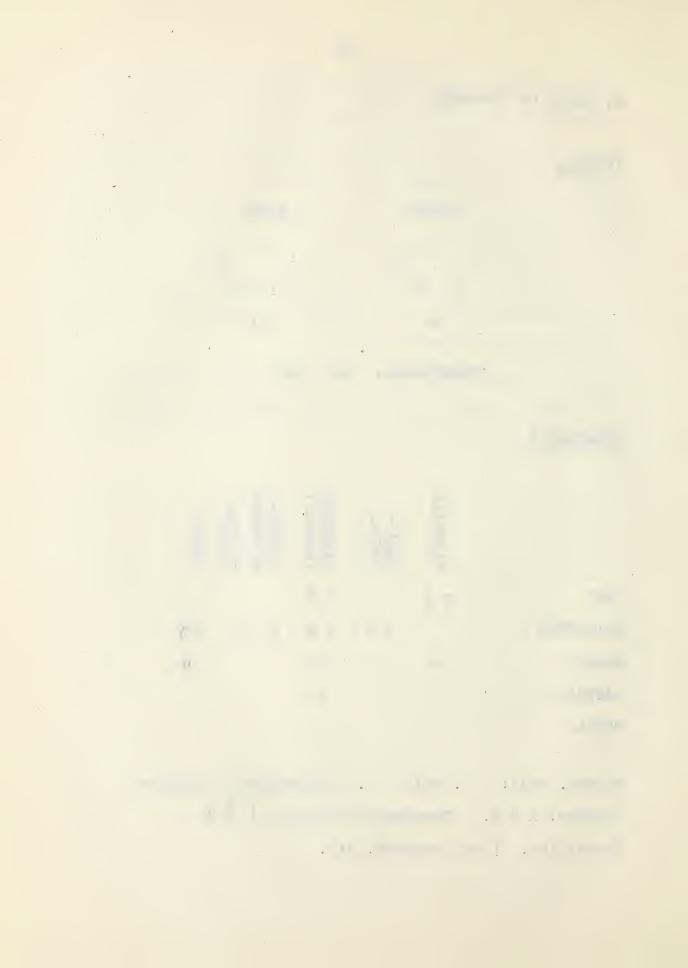
Diphthongs: ai au

# Consonants

	BILABIAL	LABIO- DENTAL	ALVEOLAR (dental)	PALATO- ALVEOLAR	PALATAL	VELAR
STOP	g b		t d			k
FRICATIVE		f v	S Z	Š	j	χ. γ
NASAL	m	*	n			ŋ
LATERAL			1			
TRILL			r			

Stress. Full: / . Half \ . "Unstressed": unmarked.

Transition. Plus juncture: /+/.



#### F. ALLOPHONIC VARIATIONS

The following are lists of vowel and consonant phonemes in evidence in stressed positions, showing positional and random variants. 13

# 1. Vowels

- /i/ Lax high central vowel.
- E.g. /rinde/ 'bark' /kint/ 'child' /zinen/ 'to sing' /din/ 'thin' /lipe/ 'lip' /mit/ 'with' /dik/ 'thick' /kisen/ 'cushion; 'to kiss' /zitsen/ 'to sit' /bixer/ 'books' /lixt/ 'light' /fiš/ 'fish' /yehirn/ 'brain' /hirt/ 'shepherd' /yirtel/ 'belt'.
- /i:/ A glide from /i/ towards greater tension and height.
- E.g. /i:m/ 'to him' /yri:n/ 'green' /zi:p/ 'sieve'
  /zi:ben/ 'seven' /zi:t/ 'south', '(he) sees'
  /li:der/ 'songs' /zi:x/ 'victory' /fli:ye/ 'fly'
  /bri:fe/ 'letters' /di:s/ 'this' /ši:sen/ 'to shoot'
  /yemi:ze/ 'vegetables' /ri:xen/ 'to smell'
  /hi:r/ 'here' /ti:re/ 'animals' /fi:rte/ 'fourth'.

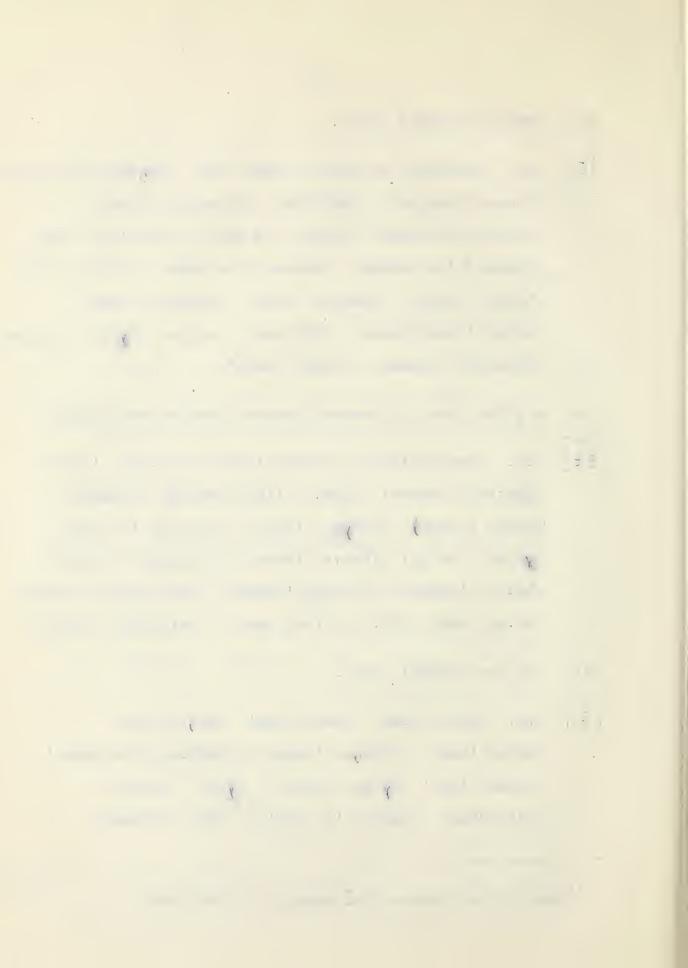
Allophonic variations are shown at the left in phonetic script, within square brackets.

By far the greater number of the examples given in phonemic transcription in the following lists are either monosyllabic with main stress or disyllabic, consisting of one syllable carrying main stress, followed by an unstressed syllable. Where the stress pattern is different it is marked.

IT , Y Y 

- /e/ Lax mid central vowel.
- E.g. /brenen/ 'to burn' /ven/ 'if' /denken/ 'to think' /trepe/ 'stairs' /fet/ 'fat' /drekix/ 'dirty' /trefen/ 'to meet' /esen/ 'to eat' /est/'(he) eats' /drešen/ 'to thrash' /štexen/ 'to stab' /šlext/ 'bad' /herts/ 'heart' /štern/ 'star' /erpsen/ 'peas' /erbe/ 'inheritance' /šterben/ 'to die' /yelp/ 'yellow' /švester/ 'sister' /verk/ 'work'.
- /e:/ A glide from /e/ towards greater tension and height.
- Ee E.g. /tse:n/ 'ten' /je:ne/ 'that' /ne:bel/ 'mist' /kre:ps/ 'cancer' /šte:t/ '(he) stands' /šte:te/ 'towns' (large) /re:yen/ 'rain' /le:zen/ 'to read' /ye:en/ 'to go' /šve:r/ 'heavy' /he:ren/ 'to hear' /he:rt/ 'hearth' /e:rde/ 'earth' /tse:len/ 'to count' /ve:x/ 'way' /le:xt/ '(he) lays' /he:xste/ 'highest'.
  - /a/ Lax low central vowel.
  - [a] E.g. /lam/ 'lamb' /man/ 'man' /lam/ 'long' /zant/ 'sand' /šlame/ 'snake' /tantsen/ 'to dance' /lapen/ 'rag' /yrap/ 'grave' /ylat/ 'smooth' /hate/ 'had' /haken/ 'to cut' | /afe/ 'monkey'

<sup>14</sup> Used in the phrase /bus haken/, 'to cut bush'.



/nas/'wet' /vaser/'water' /aše/'ashes'

/naxt/'night' /laxen/'to laugh' /jaxten/'to hunt'

/hart/'hard' /švarts/'black' /šarf/'sharp'

/varm/'warm' /falen/'to fall' /kalt/'cold'.

/a:/ A glide from /a/ towards greater tension and height.

[àæ] E.g. /na:me/ 'name' /tsa:n/ 'tooth' /a:ber/ 'but'
/a:tem/ 'breath' /yerá:de/ 'straight' /za:yen/ 'to say'
/stra:fen/ 'to punish' /stra:sen/ 'streets'
/bla:zen/ 'to blow' /ta:x/ 'day' /bra:xe/ 'fallow'
/ja:r/ 'year' /ha:re/ 'hair' /a:rbaiten/ 'to work'
/fa:rt/ 'drive' (subst.) /ma:lt/ '(he) grinds'
/ha:ken/ 'hook'.

/o/ Lax mid back vowel rounded.

[\Omegain ] E.g. /tone/ 'barrel' /zone/ 'sun' /komen/ 'to come'

/konte/ 'could' /yrop/ 'rough' /mote/ 'moth' /yot/ 'God'

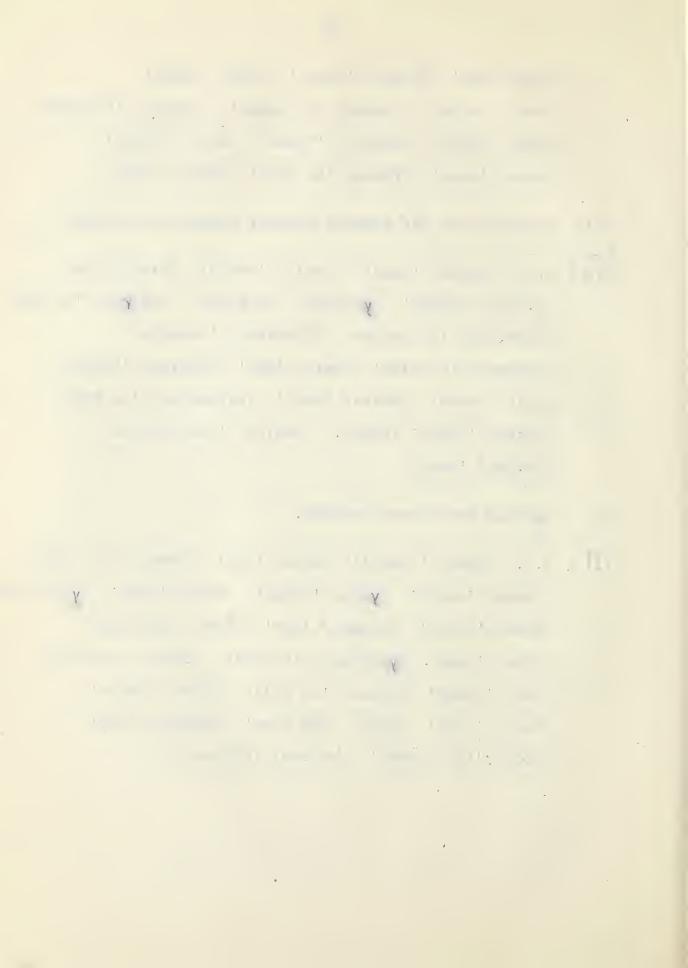
/štok/ 'stick' /troken/ 'dry' /štof/ 'material'

/ofen/ 'open' /yešlosen/ 'closed' /koxen/ 'to cook'

/tol/ 'crazy' /rolen/ 'to roll' /dort/ 'there'

/korn/ 'corn' /most/ 'new wine' /knospe/ 'bud'

/koxt/ '(he) cooks' /kotsen/ 'to vomit'.



- /o:/ A glide from /o/ towards greater tension and height.
- [NO] E.g. /lo:n/ 'wages' /o:ne/ 'without' /lo:p/ 'praise' /lo:ben/ 'to praise' /śro:t/ 'chop' (feed) /o:der/ 'or' /mo:s/ 'moss' /ho:ze/ 'pants' /ko:l/ 'cabbage' /o:r/ 'ear' /yebo:ren/ 'born' /o:fen/ 'stove'.
  - /u/ Lax high back vowel, rounded.
  - [V] E.g. /dum/ 'stupid' /brunen/ 'well' /šupen/ 'scales' /futer/ 'feed' (subst.) /šluken/ 'to swallow' /fus/ 'leg' /ruse/ 'Russian' /tux/'cloth' /runt/ 'round' /štunde/ 'hour' /yurke/ 'cucumber' /kurts/ 'short' /durx/ 'through' /furxe/ 'furrow'.
  - /u:/ A glide from /u/ towards greater height and tension.
  - [UU] E.g. /stu:be/ 'room' /mu:t/ 'courage' /bru:der/
    'brother' /klu:yer/ 'clever' /beru:f/ 'trade'
    /blu:ze/ 'blouse' /kru:x/ 'jug' /su:le/ 'school'
    /u:r/'watch'.

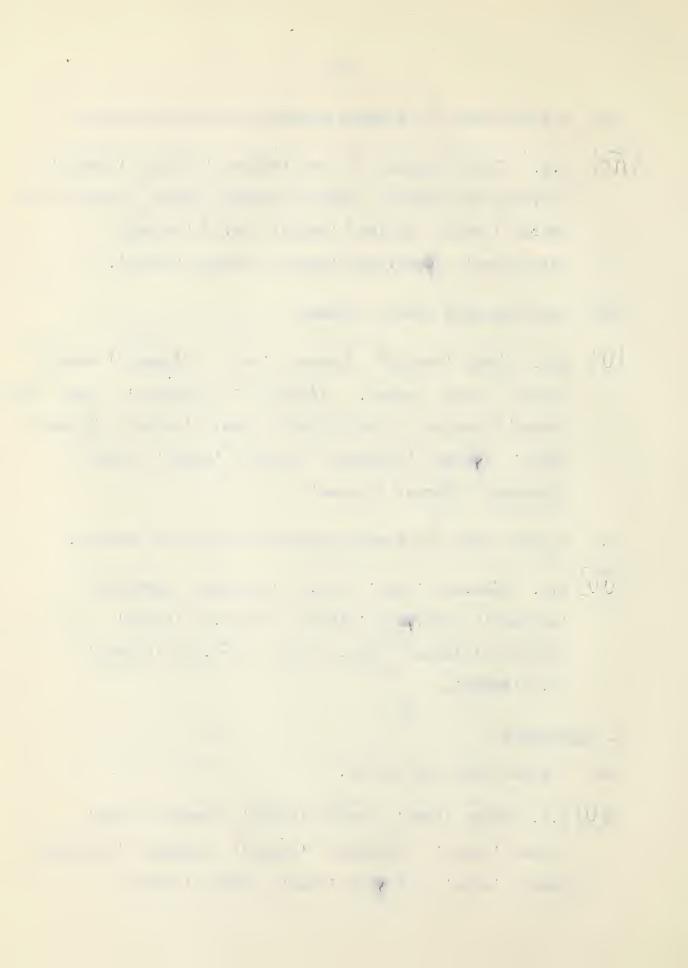
# 2. Diphthongs

/au/ A glide from /a/ to /u/.

[aU] E.g. /baum/ 'tree' /baux/ 'belly' /haupt/ 'head'

/laus/ 'louse' /ferfault/ 'rotten' /rauxen/ 'to smoke'

/haut/ 'skin' /zauyen/ 'suck' /frau/ 'woman'.



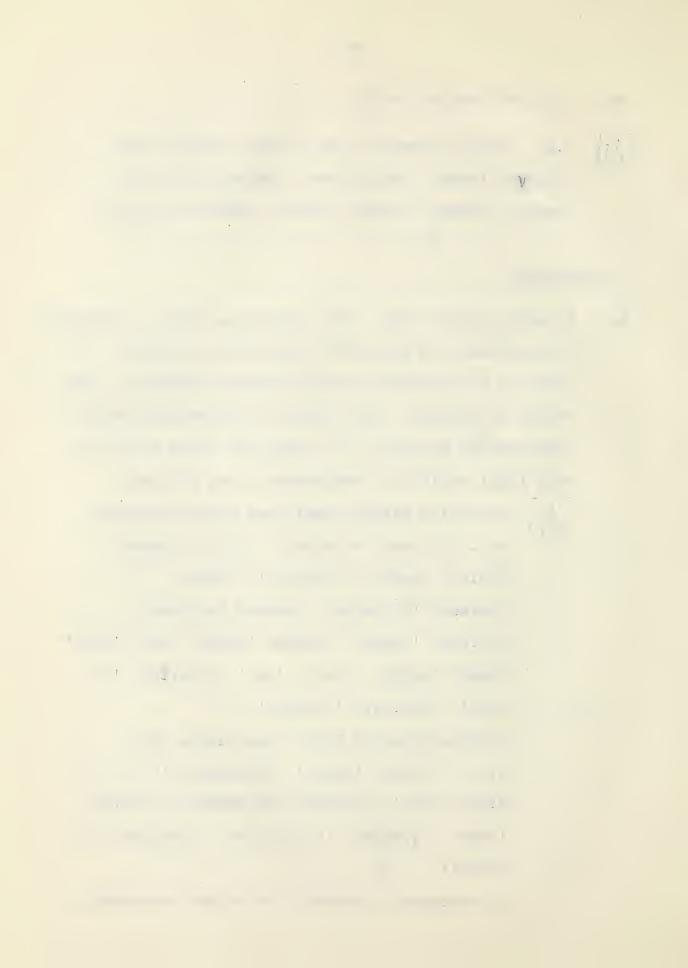
/ai/ A glide from /a/ to /i/.

[at] E.g. /vail/ 'because' /ai/ 'egg' /vait/ 'far' /ainiye/ 'some' /ais/ 'ice' /raiben/ 'to rub' /haite/ 'to-day' /vaip/ 'wife' /nain/ 'no, nine'.

#### 3. Consonants.

/b/ Bilabial voiced stop. Lip tension is lenis. Initially, voicing does not generally occur before release, i.e. there is no vibration during pressure build-up. Aspiration is minimal. The tension is especially weak in intervocalic position. /b/ does not occur at all in word final position. Occurrence is as follows: initially before vowels and semi-consonants; e.g. /bi:ten/ 'to offer' /bite/ 'please' /be:re/ 'berry' /belen/ 'to bark' /ba:den/ 'to bathe' /baken/ 'to bake' /bo:nen/ 'beans' /borke/ 'bark' /bux/ 'book' /baux/ 'belly' /bain/ 'leg' /bla:zen/ 'to blow' /bru:der/ 'brother'; intervocalically after long vowels only, e.g. /zi:ben/ 'seven' /stre:ben/ 'to strive' /a:ber/ 'but' /lo:ben/ 'to praise' /stu:be/ 'room' /ylauben/ 'to believe' /traiben/ 'to drive':

in consonant clusters with voiced consonants,



e.g. /bombe/ 'bomb' /fa:rbe/ 'colour' /kelber/ 'calves' /i:brix/ 'remaining'.

- /p/ Bilabial voiceless stop. Lip tension is fortis.

  Aspiration is never strong. Positional and random variants are as follows:
  - initially before vowels and semi-consonants,

    e.g. /pike/ 'pick' /pa:r/ 'pair' /paken/

    'to grasp' /post/ 'mail' /pu:te/ 'turkey'

    /putsen/ 'to clean' /pain/ 'pain' /paul/

    'Paul' /profé:t/ 'prophet';
  - intervocalically after short vowels,

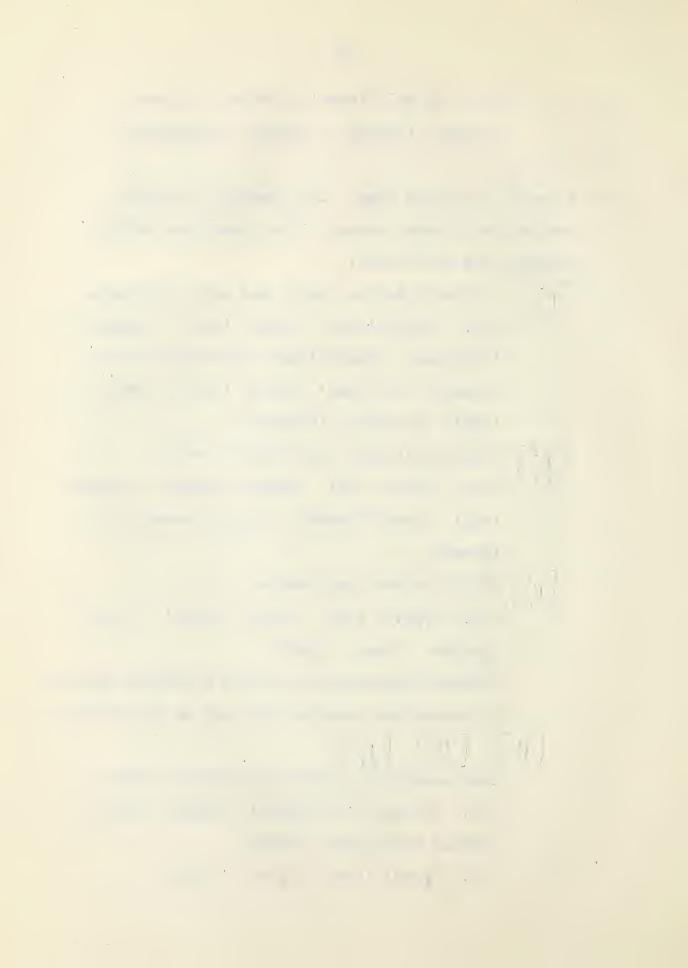
    e.g. /lipe/ 'lip' /tepix/ 'carpet' /lapen/

    'rag' /jope/ 'jacket' /rupel/ name of in
    formant;
  - [p'] finally after long vowels,

    e.g. /yra:p/'dig' /zi:p/'sieve' /lo:p/
    'praise' /taup/'deaf'.

Further occurrences for which a regular pattern of length and tension could not be determined:

[p] [p] [p] intervocalically after long vowels (rare),
e.g. /pi:pen/'to squeak' /raupe/'grub';
finally after short vowels,
e.g. /yrap/'grave' /yrop/'rough';

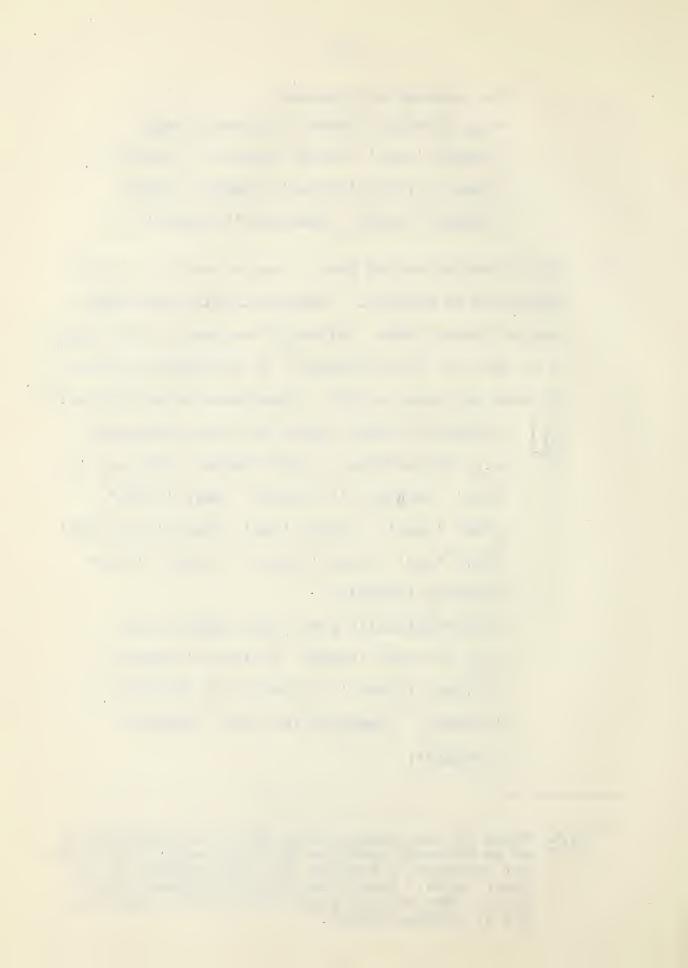


in consonantal clusters,
e.g. /kre:ps/ 'cancer' /vespe/ 'wasp'
/haupt/ 'head' /hipš/ 'pretty' /erpsen/
'peas' /yelp/ 'yellow' /apfel/ 'apple'
/štump/ 'blunt' /špalten/ 'to split'.

/d/ Blade alveolar voiced stop. Tongue tension is lenis. Aspiration is minimal. Intervocalically the tongue tension is very weak. Although the apex of the tongue is in use, it is not pointed. In word-final position, /d/ does not occur at all. Occurrence is as follows: 15 initially before vowels and semi-consonants, d e.g. /di:s/'this' /dik/ 'thick' /dre:en/ 'to turn' /denken/ 'to think' /da:/ 'there' /dax/ 'roof' /do:ze/ 'box' /dox/ 'of course' /du:/ 'you' /dum/ 'foolish' /dain/ 'your' /daumen/ 'thumb': intervocalically after long vowels only, e.g. /li:der/ 'songs' /fe:der/ 'feather' /fa:den/ 'thread' /o:der/ 'or' /bru:der/ 'brother' /snaiden/ 'to cut' /sauder/

'shudder':

means in the present study "point of articulation at an advanced position on the alveolar ridge, but not necessarily against the inner surface of the upper teeth," though the diacritic means this in I.P.A. The precise point could not be verified, but it sounded dental.



in consonant clusters with voiced consonants,
e.g. /andre/ 'other' /drai/ 'three' /hundert/
'hundred' /melden/ 'to announce' /sildner/
'debtors'.

- /t/ Blade-alveolar voiceless stop. Tongue tension is fortis.

  Aspiration is always present, but never strong. /t/,

  unlike /d/, appears in word-final position though with

  reduced tension--at least, after long vowels. Positi
  onal and random variants are as follows: 16
  - initially before vowels and semi-consonants,

    e.g. /ti:r/'door','animal' /teler/'plate'

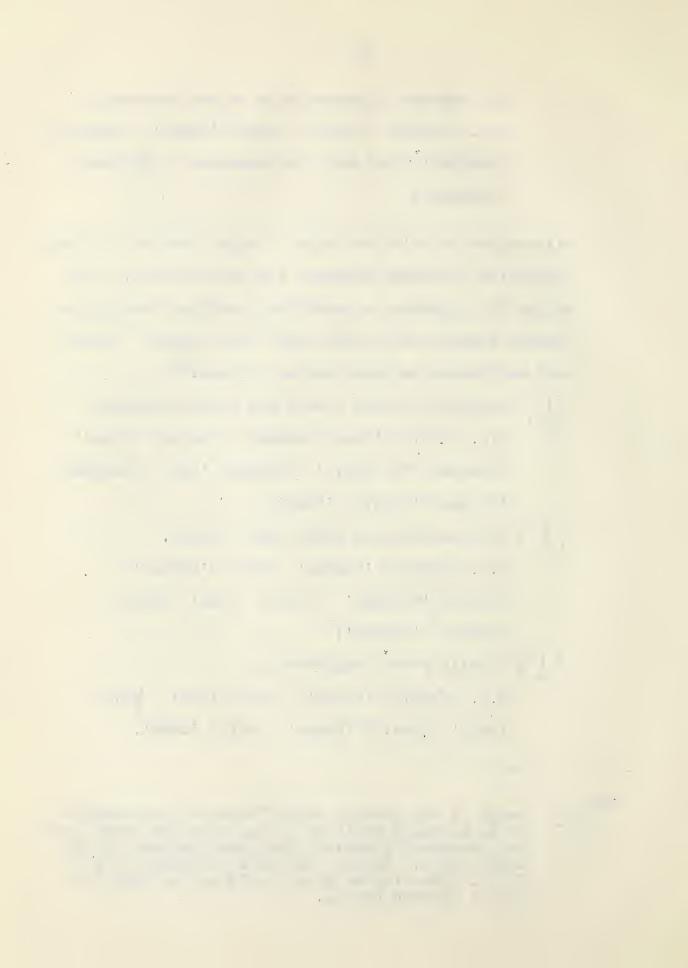
    /traiben/'to drive' /troken/'dry' /tantsen/

    'to dance' /to:t/'dead';
  - [t.'] intervocalically after short vowels,
    e.g. /bleter/ 'leaves' /bite/ 'please'
    /veter/ 'weather' /futer/ 'feed' (subst.)
    /luter/ 'Luther';
  - finally after long vowels,

    e.g. /blu:t/'blood' /ro:t/'red' /yu:t/

    'good' /bro:t/'bread' /za:t/'seed'.

means in the present study "point of articulation at an advanced position on the alveolar ridge, but not necessarily against the inner surface of the upper teeth," though the diacritic means this in I.P.A. The precise point could not be verified, but it sounded dental.



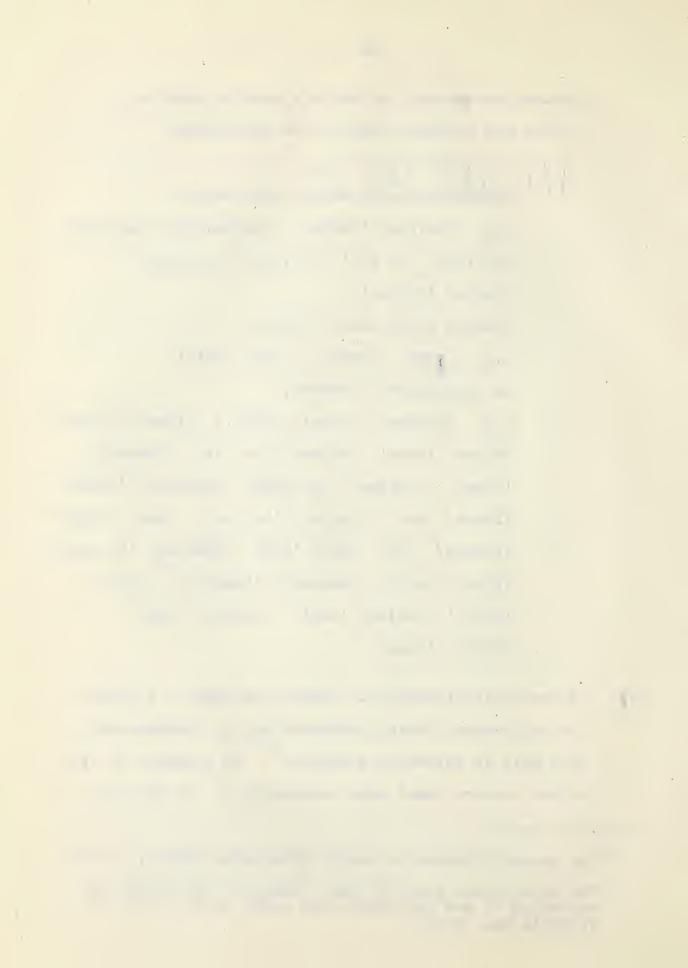
Further occurrences for which a regular pattern of length and tension could not be determined:

intervocalically after long vowels, e.g. /fa:ter/ 'father' /solda:ten/ 'soldiers' /bra:ten/ 'to fry' /ne:tix/ 'necessary' /laite/ 'people'; finally after short vowels, e.g. /ylat/ 'smooth' /mit/ 'with'; in consonantal clusters, e.g. /tsaixen/ 'sign' (subst.) /tsaun/ 'fence' /hitse/ 'heat' /zitsen/ 'to sit' /svarts/ 'black' /husten/ 'to cough' /švester/ 'sister' /slext/ 'bad' /jaxten/ 'to hunt' /axt/ 'eight' /troken/ 'dry' /alt/ 'old' /spalten/ 'to split' /kint/ 'child' /hundert/ 'hundred' /hemt/ 'shirt' /zalts/ 'salt' /rexts/ 'right' /furxt/ 'fear'.

 $/\gamma/$  Voiced velar fricative. Tension is lenis. If there is any contact during articulation, it is momentary; but this is extremely doubtful. No examples of  $/\gamma/$  after a short vowel were discovered. It does not

<sup>17</sup> See general discussion under "Consonants" above, p. 29.

<sup>18</sup> The High German word for rye, "Roggen," was known, but according to one informant, the usual word for rye in Volhynia was /korn/.



appear in word-final position.

Positional variants are as follows:

initially before vowels and semi-consonants,

e.g. /yi:sen/'to pour' /ye:ben/'to give'
/yelp/'yellow' /ya:r/'cooked' /yurke/'cucumber' /ylat/'smooth' /ynik/'neck' /yri:n/
'green';
intervocalically after long vowels,

e.g. /e:yen/'to harrow' /li:yen/'to lie' (both senses) /sla:yen/'to hit' /auye/'eye';
in consonantal clusters,

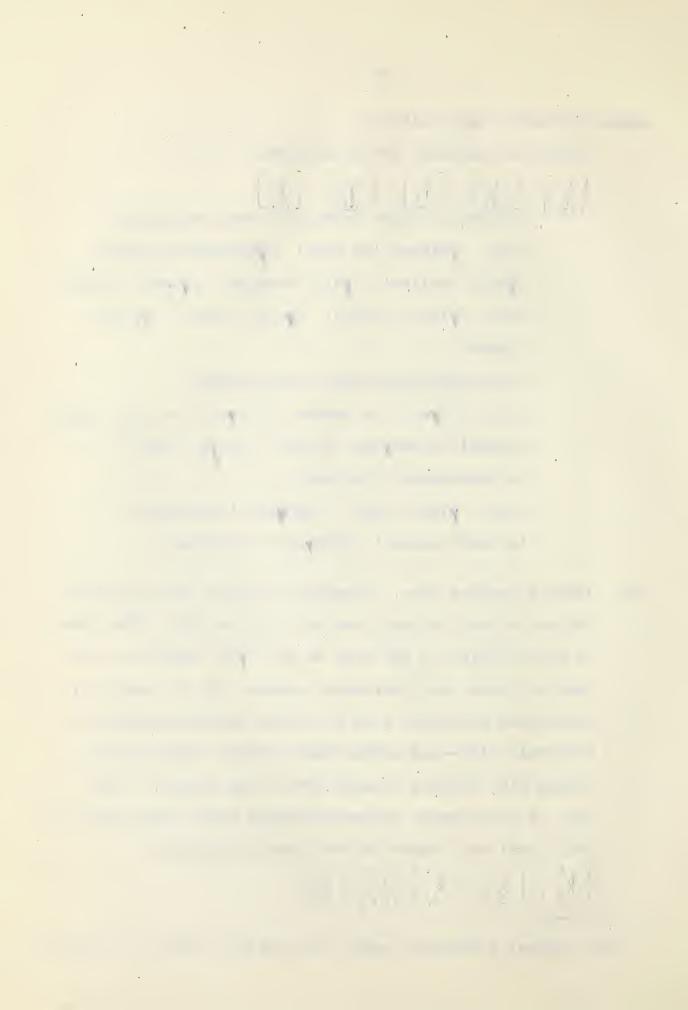
e.g. /ylik/'luck' /moryen/'to-morrow',

e.g. /ylik/ 'luck' /moryen/ 'to-morrow',
'a land measure' /folyen/ 'to follow'.

/k/ Velar voiceless stop. Tension is fortis, and the aspiration is less obvious than with /p/ and /t/. The place of articulation is the same as for /γ/, except for the lack of voice, and increased tension. /k/ is common in word-final position, like the other voiceless stops so far dealt with--and unlike their voiced counterparts--though with reduced tension after long vowels. Like /p/, it is uncommon intervocalically after long vowels. Positional and random variants are as follows:

[ki] [ke] [ka] [ko] [ku]

<sup>19</sup> See general discussion under "Consonants" above, p. 29-30.



initially before vowels and semi-consonants,

e.g. /ki:l/ 'cool' /kint/ 'child' /ke:fer/ 'bug'

/kalp/ 'calf' /kotsen/ 'to vomit' /kurts/ 'short'

/ku:/ 'cow' /kni:/ 'knee' /kri:xen/ 'to crawl'

/kva:l/ 'torment';

[k;]etc intervocalically after short vowels,
e.g. /riken/ 'back' /vikeln/ 'to wind'
/drekix/ 'dirty' /haken/ 'to cut' (bush)
/troken/ 'dry' /spuken/ 'to spit';
[k;] finally after long vowels,

Further occurrences for which a regular pattern of length and tension could not be determined:

e.g. /ha:k/ 'Haak' (family name).

[ka] [ka] [ka] etc.
intervocalically after long vowels,

- e.g. /ha:ken/ 'hook' /spu:ken/ 'to haunt'; finally after short vowels,
- e.g. /dik/ 'thick' /štik/ 'bit' /drek/ 'dirt' /vek/ 'away' /yešmak/ 'taste' /štok/ 'stick' /šluk/ 'mouthful';

in consonantal clusters,

/fuks/'fox' /zeks/'six' /nakt/'naked' /maske/
'mask' (only example) /le:xt/'(he) lays'
/knakvurst/'a kind of sausage' /klauen/'to steal'
/virken/'to effect' /štark/'strong' /kalk/



'chalk' /srank/ 'cupboard' /yinken/ '(they)
went' /stinkt/ 'stinks'.

- /v/ Labio-dental voiced fricative. Tension is lenis. It does not appear in word-final position, and is not common intervocalically after long vowels. 20 Distribution is as follows:
  - initially before vowels,

    e.g. /vi:/ 'how' /višen/ 'to wipe' /ve:x/ 'road'

    /ven/ 'if' /va:r/ 'true' /varm/ 'warm' /vo:/

    'where' /volke/ 'cloud' /vu:t/ 'anger'

    /vurtsel/ 'root' /vaip/ 'wife';

    intervocalically after long vowels,

    e.g. /le:ve/ 'lion' /me:ve/ 'sea-gull';

    in consonantal clusters,

    e.g. /kvetšen/ 'to squeeze' /švarts/ 'black'

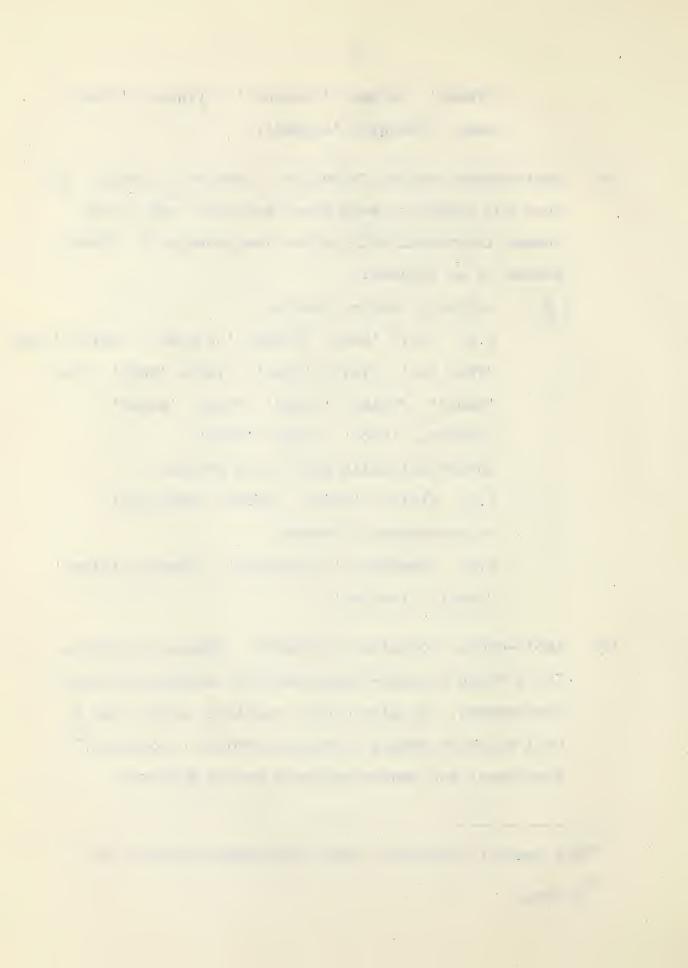
    /tsvelf/ 'twelve'.
- /f/ Labio-dental voiceless fricative. Tension is fortis.

  It is found in word-final position, unlike its voiced counterpart. It also occurs regularly after long as well as short vowels in the intervocalic position.

  Positional and random variants are as follows:

<sup>20</sup> See general discussion under "Consonants" above, p. 28.

<sup>21</sup> Ibidem.



initially before vowels and semi-consonants,

e.g. /fi:r/'for', 'four' /fiš/'fish' /fe:der/
'feather' /fet/'fat' /fa:ter/'father' /falen/
'to fall' /fa:l/'stake' /fo:yel/'bird' /fol/
'full' /fosten/'post' /fu:s/'foot' /furxt/
'fear' /faier/'fire' /flaiš/'meat' /frixte/
'fruits' /fau/'the letter "v"';
intervocalically after short vowels,
e.g. /šafen/'to work' /trefen/'to meet'
/fefer/'pepper' /yetrofen/'met';
finally after long vowels,
e.g. /ši:f/'crooked' /ša:f/'sheep' /ho:f/
'yard','farm' /beru:f/'trade' /štaif/'stiff'.

Further occurrences for which a regular pattern of length and tension could not be determined:

intervocally after long vowels,

e.g. /šti:fel/'boot' /ke:fer/'bug' /šla:fen/

'to sleep' /o:fen/ 'stove' /taufen/ 'to baptize';

finally after short vowels,

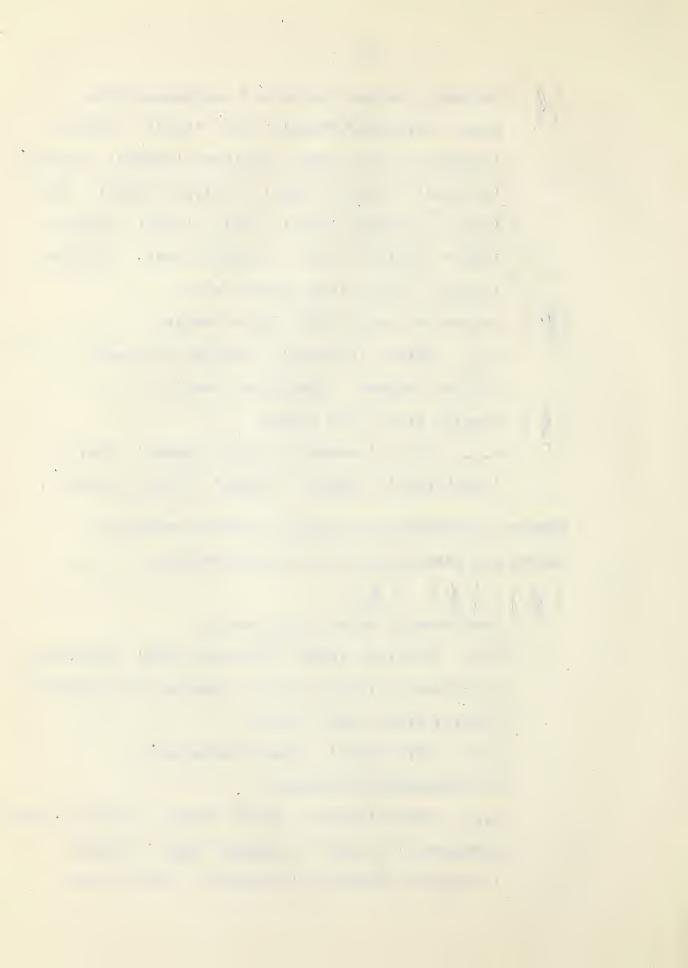
e.g. /šif/ 'ship' /štof/ 'material';

in consonantal clusters,

e.g. /šarf/ 'sharp' /šilf/ 'reeds' /friš/ 'fresh'

/fropfen/ 'to graft' /apfel/ 'apple' /kampf/

'struggle' /štrumpf/ 'stocking' /luft/ 'sky'



/zenf/ 'mustard' /zanft/ 'soft' /hanf/ 'hemp' /stumpf/ 'dull' /kopf/ 'head'.

/z/ Blade-alveolar voiced groove fricative. Voicing is light in the initial position. Lips are spread. sion is lenis. Positional or random variants are as follows:

Z initially before vowels only,

~ [SZ] e.g. /zi:s/ 'sweet/ /zitsen/ 'to sit' /ze:en/ 'to see' /zeks/ 'six' /za:t/ 'seed' /zant/ 'sand' /zo:/ 'so' /zone/ 'sun' /zu:xen/ 'to seek' /zupe/ 'soup' /zaugen/ 'to suck' /zail/ 'rope'; intervocalically after long vowels only, e.g. /yemi:ze/ 'vegetables' /le:zen/ 'to read'

/bla:zen/ 'to blow' /do:ze/ 'box' /blu:ze/ 'blouse' /laize/ 'lice', 'softly' /maize/ 'mice' /krauze/ 'curly';

in consonantal clusters,

e.g. /halze/ 'throat' (dat.) /bremze/ 'brake' /ferze/ 'heel'.

/s/ Blade alveolar voiceless groove fricative. Lips are spread. Tension is fortis, but the high "apparent sonority" is due to the nature of the sound itself rather than to any special tension; it is "fortis" in

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comparison with /z/, if only because the tongue in the groove position has to withstand extra breath pressure due to voicelessness. Positional and random variants are as follows:

- intervocalically after short vowels,

  e.g. /kisen/ 'pillow', 'to kiss' /visen/

  'to know' /esen/ 'to eat' /vaser/ 'water'

  /drosel/ 'thrush' /yeslosen/ 'closed'

  /ruse/ 'Russian';
- finally after long vowels,

  e.g. /zi:s/ 'sweet' /di:s/ 'this' /ma:s/

  'measure' /yro:s/ 'big' /fu:s/ 'foot' /ais/

  'ice' /maus/ 'mouse'.

Further occurrences for which a regular pattern of length and tension could not be determined:

intervocalically after long vowels,

e.g. /yi:sen/'to pour' / ri:sen/'to greet'

/kle:se/'dumplings' /stra:se/'street'

/yro:se/'big' /smaisen/'to throw' /drausen/

'outside';

finally after short vowels,

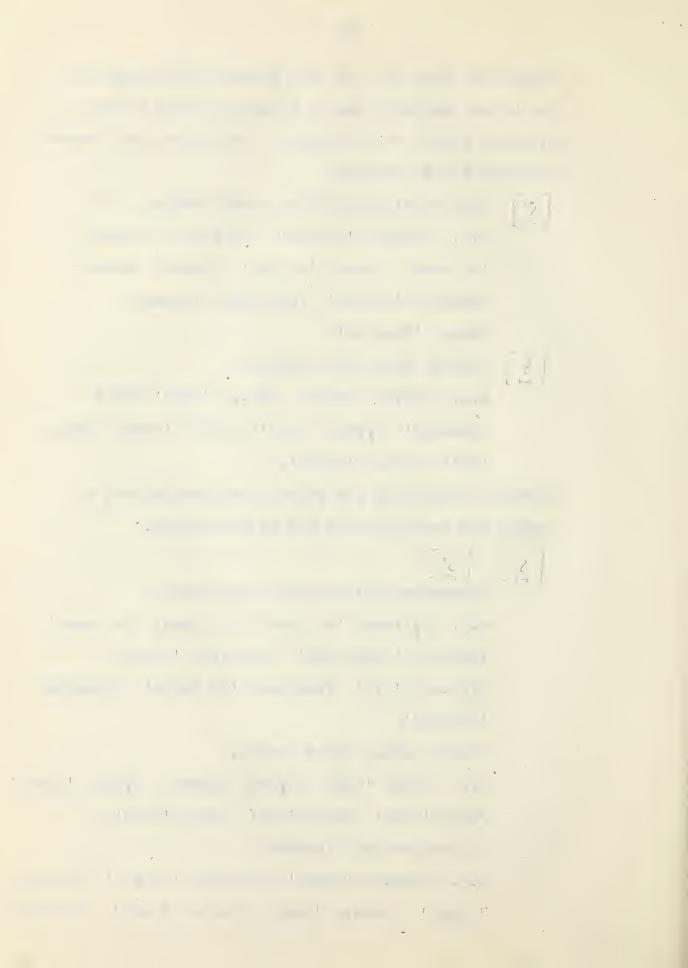
e.g. /ris/'tear' /yras/'grass' /ylas/'glass'

/das/'that' /nas/'wet' /kus/'kiss';

in consonantal clusters,

e.g. /tsa:n/'tooth' /zitsen/'to sit' /rexts/

'right' /herts/ 'heart /zalts/ 'salt' /tantsen/



'to dance' /zeks/'six' /fuxs/22 'fox'

/hans/'Hans' (name) /hals/'throat' /vesten/
'west' /anst/'fear' /knospe/'bud' /erpsen/
'peas' /jetst/'now' /tsvai/'two' /artst/
'doctor' /e:rst/'first'.

- /š/ Frontal palato-alveolar groove fricative. Tension is fortis. The groove is wider than for /s/, and its "apparent sonority" is not as pronounced. It has no voiced equivalent. It occurs initially before vowels, before semi-consonants /1,r,m,n/ and the voiceless fricative /v/, and before the voiceless stops /p,t/. Examples are to be found mainly under "consonant clusters" below. There are no examples of /š/ after long vowels unless we regard diphthongs as such. Positional and random variants are as follows:
  - initially before vowels and semi-consonants,

    e.g. /ši:f/'crooked' /šinken/'ham' /še:re/

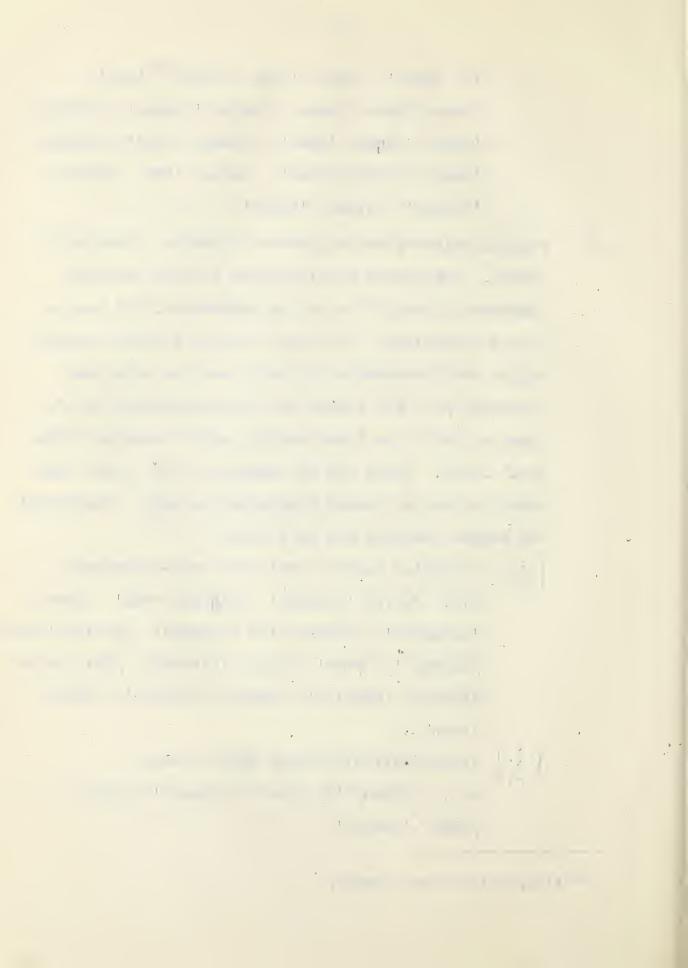
    'scissors' /šetsen/'to evaluate' /ša:le/'shell'

    /šafen/'to work' /šo:n/'already' /šu:/'shoe'

    /šuster/'cobbler' /šauen/'to look' /šne:/

    'snow';
  - intervocalically after short vowels,
    e.g. /fišen/ 'to fish' /lešen/ 'to lick'
    /taše/ 'pocket'.

<sup>&</sup>lt;sup>22</sup>Alternative form: /fuks/.



Further occurrences for which a regular pattern of length and tension could not be determined:

finally and intervocalically after diphthongs,
e.g. /flais/ 'meat' /flaiser/ 'butcher'
/rausen/ 'to murmur'
finally after short vowels,
e.g. /fis/ 'fish' /ras/ 'quick' /fros/ 'frog'
/bus/ 'bush' (Canadianism);
in consonant clusters,
e.g. /kvetsen/ 'to pinch' /yemist/ 'mixed'
/spaixer/ 'barn' /stu:l/ 'chair' /slau/ 'sly'
/smaisen/ 'to throw' /sraien/ 'to scream/
/svi:l/ 'sultry' /mens/ 'man' /mars/ 'march'.

/x/ Velar voiceless fricative, voiceless equivalent of /y/.

It does not occur initially. Intervocalically, it is

more frequent after long vowels than after short ones.

Positional and random variants are as follows:

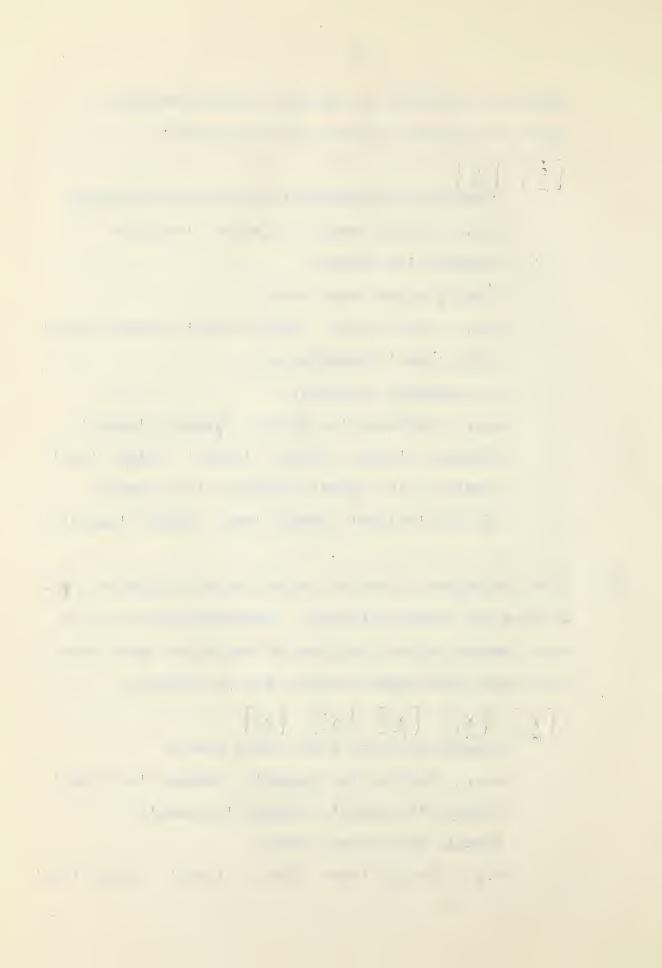
intervocalically after short vowels,

e.g. /kixern/ 'to giggle' /brexen/ 'to break'

/laxen/ 'to laugh' /koxen/ 'to cook';

finally after long vowels,

e.g. /kri:x/ 'war' /šte:x/ 'path' /ta:x/ 'day'



/la:x/ 'lay' /na:x/ 'after' /flo:x/ 'flew' /kru:x/ 'jug'.

Further occurrences for which a regular pattern of length and tension  $\infty$  uld not be determined:

[Xa] [Xa] etc.

intervocalically after long vowels,

e.g. /bi:xer/ 'books' /kri:xen/ 'to creep'

/bra:xe/ 'fallow' /zu:xen/ 'to seek';

finally after short vowels,

e.g. /blex/ 'tin' /dax/ 'roof' /nox/ 'still' (adv.)
/bux/ 'book';

in consonantal clusters,

e.g. /tixtix/ 'clever' /jaxten/ 'to hunt'

/jauxtsen/ 'to rejoice' /fuxs/ 'fox' /fixse/

'foxes' /strolx/ 'bum' /menx/ 'monk' /storx/

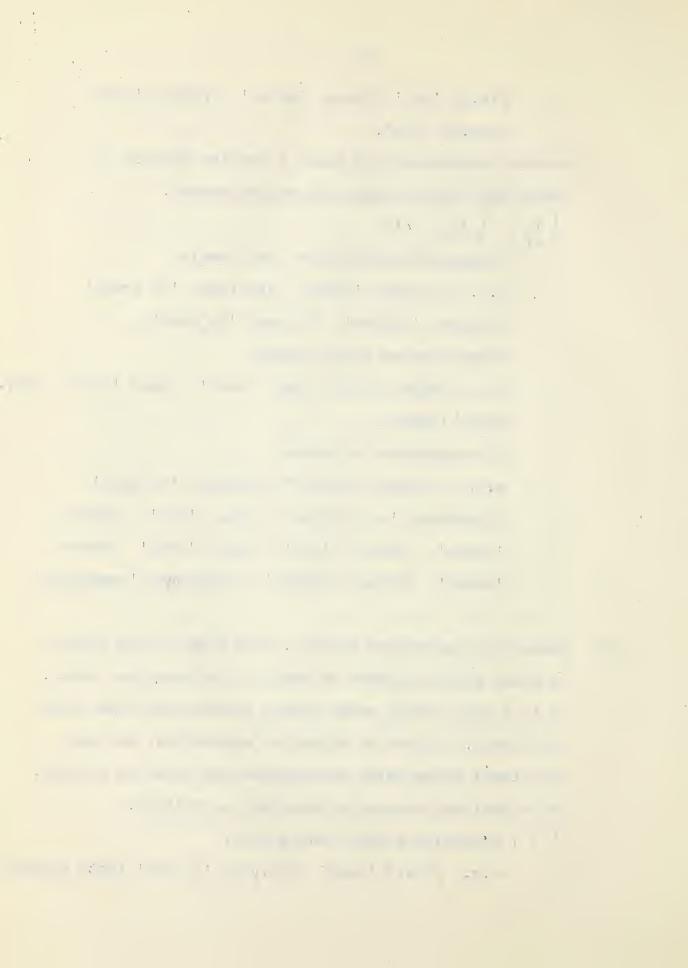
'stork' /furxe/ 'furrow' /tsaitunx/ 'newspaper'.

/1/ Blade-alveolar voiced lateral. The body of the tongue is flat, and the timbre is that of a mid-central vowel. It is a very stable sound rather influencing than being influenced. It has no voiceless equivalent, and any frictional noise which accompanies the voice is minimum.

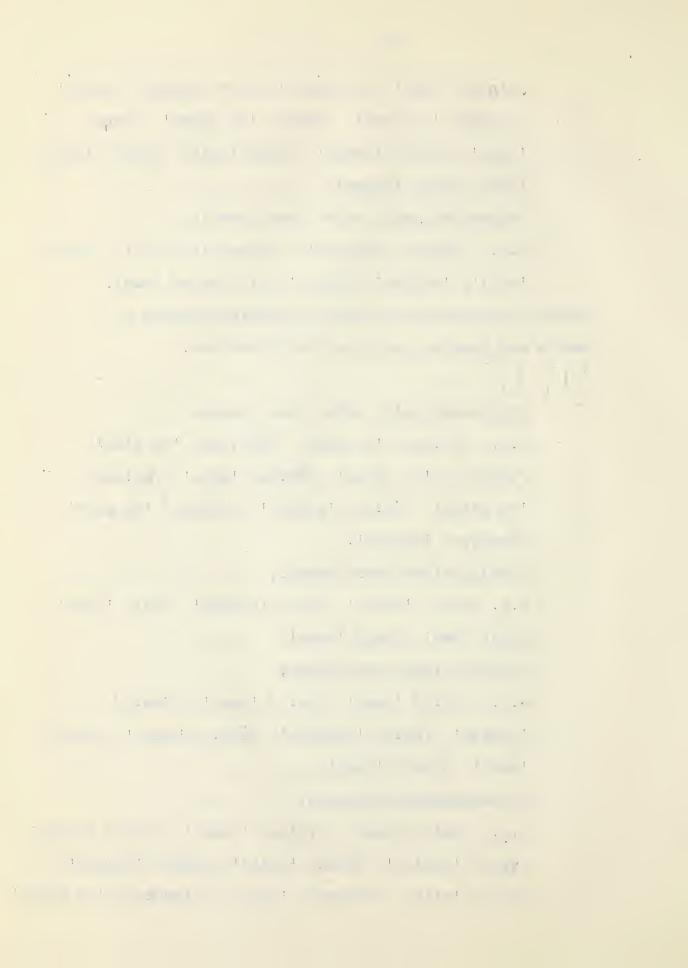
Positional and random variants are as follows:

initially before vowels only,

e.g. /li:t/ 'song' /li:yen/ 'to lie' (both senses)



```
/linke/ 'left' /le:ber/ 'liver' /lefel/ 'spoon'
      /la:den/ 'to load' /laxen/ 'to laugh' /lan/
       'long' /lo:s/ 'loose' /lox/ 'hole/ /luft/ 'sky',
       'air' /laus/ 'louse';
       intervocalically after short vowels,
      e.g. /brile/ 'glasses' /filen/ 'to fill' /hele/
       'hell', 'bright' /ale/ 'all' /tole/ 'mad'.
Further occurrences for which a regular pattern of
length and tension could not be determined:
      intervocalically after long vowels,
      e.g. /fi:len/ 'to feel' /spi:len/ 'to play'
      /tse:len/ 'to count' /ša:le/ 'skin' /ho:len/
       'to fetch' /su:le/ 'school' /tailen/ 'to part'
      /fauliye/ 'rotten';
      finally after short vowels,
      e.g. /stil/ 'still' /hel/ 'bright' /fal/ 'case'
      /tol/ 'mad' /nul/ 'zero';
      finally after long vowels,
      e.g. /ki:1/ 'cool' /me:1/ 'meal' /sma:1/
       'narrow' /ko:1/ 'cabbage' /stu:1/ 'chair' /tail/
       'part' /faul/ 'lazy';
       in consonantal clusters,
      e.g. /kalt/ 'cold' /volke/ 'cloud' /silf/ 'reeds'
      /yelp/ 'yellow' /fals/ 'false' /hals/ 'throat'
      /milx/ 'milk' /flaumen/ 'plum' /flantsen/ 'to plant'
```



/fli:yen/'to fly' /slane/'snake' /plat/
'flat', 'low' /klain/'small' /ylat/'smooth'
/blu:t/'blood' /folye/ consequence' /helya/
'Helga' (name) /halze/'throat' (dat.).

- /r/ Apico-alveolar voiced trill. It is usually pronounced with considerable energy, and therefore seldom unrolled, in stressed syllables. The actual trill may be preceded, in the initial position, by a period of central vocalization, which serves as a preliminary to the production of the trill. It is most prominent intervocalically after short vowels, and least prominent finally after long vowels. This would suggest a parallel with the phenomenon of tension in the other consonants. It is also very prominent in consonant clusters in which it precedes voiceless consonants and follows short vowels, e.g. /hart/, /birke/, and /durx/. Positional and random variants are as follows:
  - initially before vowels only,

    e.g. /ri:xen/'to smell' /riken/'back' (subst.)

    /re:yen/'rain' /rexts/'right' /ra:m/'cream'

    /rate/'rat' /ro:t/'red' /rolen/'to roll'

    /ru:e/'rest' /runt/'round' /raie/'row';
  - [r] intervocalically after short vowels,
    e.g. /farer/'preacher' /speren/'to bar'
    /kliren/'to rattle' /karen/'cart'.

F F 4 - 1

Further occurrences for which a regular pattern of length and tension could not be determined:

[r][r]

intervocalically after long vowels,

e.g. /spi:ren/ 'to feel' /be:re/ 'berry'
/ha:re/ 'hair' /γebo:ren/ 'born' /spuren/

'tracks' /fairix/ 'fiery' /traurix/ 'sad';

finally after short vowels,

e.g. /yešir/ 'dishes';

finally after long vowels,

e.g. /vi:r/ 'we' /ve:r/ 'who' /sta:r/

'starling' /o:r/ 'ear' /u:r/'watch';

in consonantal clusters,

to turn' /y ra:ben/ 'to dig'.

e.g. /hart/ 'hard' /yirtel/ 'belt' /birke/
'birch' /ferkel/ 'young pig' /šarf/ 'sharp'
/kirše/ 'cherry' /durx/ 'through' /furxe/
'furrow' /vurtsel/ 'root' /erpsen/ 'peas'
/trinken/ 'to drink' /pra:len/ 'to boast'
/kratsen/ 'to scratch' /frau/ 'lady' /fropen/
'cork', 'stopper' /šraube/ 'screw' /šterben/
'to die' /darm/ 'gut' /e:rde/ 'earth'
/moryen/ 'morrow' /brenen/ 'to burn' /dre:en/

1 1 1 

- /m/ Bilabial voiced nasal. Positional and random variants are as follows:
  - initially before vowels only,

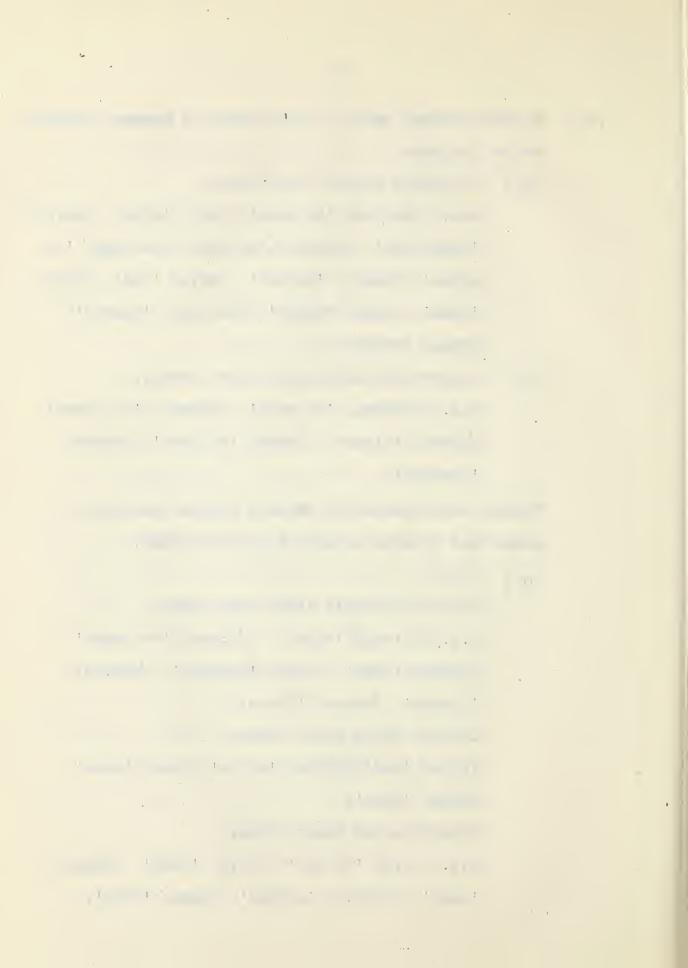
    e.g. /mi:ten/'to rent' /mit/'with' /me:bel/
    'furniture' /melken/'to milk' /ma:len/'to

    grind' /markt/'market' /mo:s/'jam' /most/
    'wine' /munt/'mouth' /maister/'master'

    /maul/'mouth';
  - [m'] intervocalically after short vowels,
    e.g. /svimen/ 'to swim' /klemen/ 'to pinch'
    /flame/ 'flame' /komen/ 'to come' /krume/
    'crooked'.

Further occurrences for which a regular pattern of length and tension could not be determined:

[m] [m']
intervocalically after long vowels,
e.g. /ri:men/ 'strap' /še:men/ 'to shame'
/na:me/ 'name' /o:ma/ 'grannie' /blu:me/
'flower' /baime/ 'trees';
finally after short vowels,
/šlim/ 'bad' /šlam/ 'slime' /kom/ 'come'
/štum/ 'dumb';
finally after long vowels,
e.g. /i:m/ 'to him' /le:m/ 'clay' /tsa:m/
'tame' /štro:m/ 'stream' /baum/ 'tree';



in consonantal clusters,

e.g. /amt/ 'public function' /hemt/ 'shirt'

/tsimft/ 'cinnamon' /štrimfe/ 'stockings'

/lumpix/ 'ragged' /amsel/ 'blackbird'

/amsterdam/ 'the city' /krempfe/ 'cramps'

/šimpfen/ 'to scold' /smeken/ 'to taste'

/bremze/ 'brake' /bombe/ 'bomb' /halm/ 'stalk'

/n/ Blade-alveolar voiced nasal. Positional and random variants are as follows:

/derme/ 'guts'.

- initially before vowels,

  e.g. /ni:re/'kidney' /nixt/'not' /ne:bel/

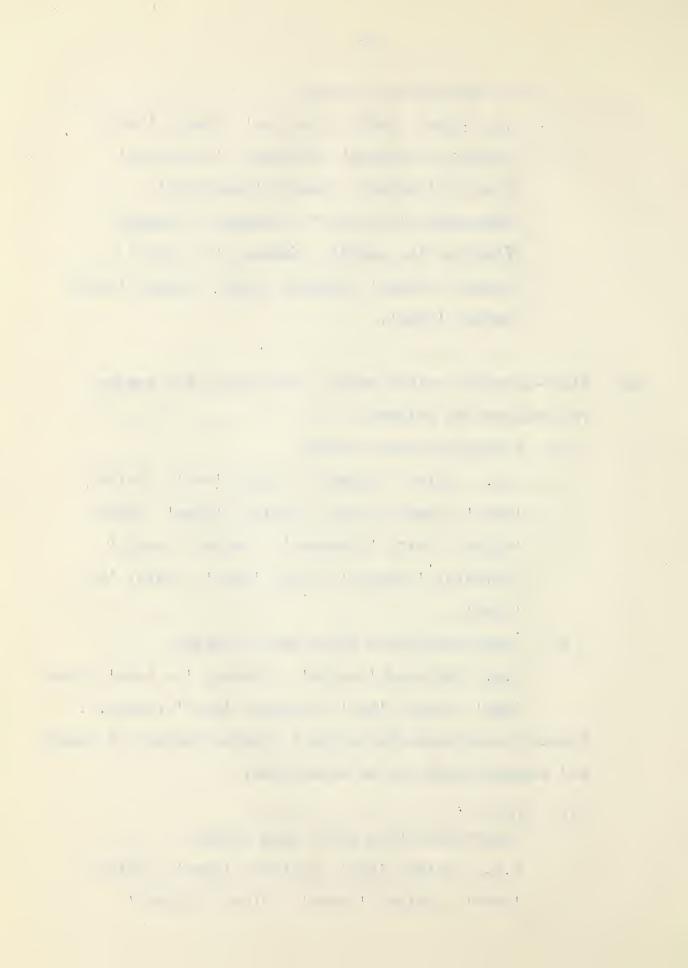
  'mist' /nest/'nest' /na:ze/'nose' /naxt/

  'night' /no:t/'distress' /norden/'north'

  /nu:deln/'noodles' /nul/'zero' /nain/'no',

  'nine';
- [N·] intervocalically after short vowels,
  e.g. /drinen/ 'inside' /brenen/ 'to burn' /fane/
  'pan' /zone/ 'sun' /brunen/ 'well' (subst.).
  Further occurrences for which a regular pattern of length
- [n] [n.]
   intervocalically after long vowels,
   e.g. /bi:ne/ 'bee' /hi:ner/ 'hens' /je:ne/
   'that' /za:ne/ 'cream' /o:ne/ 'without'

and tension could not be determined:



/štaine/'stones' /pozaune/'trumpet';

finally after short vowels,

e.g. /din/'thin' /bin/'am' /ven/'if'

/kan/'can' /špon/'(saw-)dust';

finally after long vowels,

e.g. /tse:n/'ten' /tsa:n/'tooth' /mo:n/

'poppy' /perso:n/'person' /hu:n/'hen';

in consonantal clusters,

e.g. /ains/'one' /menš/'man' /menx/'monk'

/zenf/'mustard' /ente/'duck' /hunt/'dog'

/šneke/'snail' /knoxen/'bone' /kern/'kernel'

/ynade/'grace' /aiyne/'own' (adj.) /binden/

'to bind' /tsinzen/'interest' /ernst/'earnest'.

- /n/ Velar voiced nasal. Does not occur in initial position, nor after long vowels. 23 Positional and random variants are as follows:
  - [ŋ] intervocalically after short vowels only,
    e.g. /brinen/ 'to bring' /zinen/ 'to sing' /ene/
    'narrow' /šlane/ 'snake' /tsune/ 'tongue';
  - [ŋ] finally after short vowels,
    e.g. /rin/ 'ring' /štren/ 'strict' /entlan/
    'along' /šprun/ 'spring', 'leap';

<sup>23</sup> See general discussion under "Consonants" above, p. 29-30.

t t t : : T U 1 1 U 1 1 0 : 1 0 1 1 1 1 1 1

- in consonantal clusters,

  e.g. /trinken/ 'to drink' /links/ 'left'

  /stinkt/ 'stinks' /brinst/ '(you) bring'

  /brint/ 'brings' /klinyeln/ 'to ring', 'tinkle'.
- /h/ Voiceless glottal spirant one of three methods of vowel onset, viz. clear, glottalized and aspirate.

  The sound is sometimes referred to in English as the "h-onglide," since during its articulation the speech organs are invariably in position for the following vowel sound, the expulsion of breath being merely a preliminary to sounding the vowel. It occurs as follows:
  - [] [] [] [] [] [],

    before stressed vowels only,

    e.g. /hi:r/'here' /hinken/'to limp'

    /he:ren/'to hear' /her/'gentleman' /ha:r/

    'hair' /halten/'to hold' /ho:bel/'plane'

    /hofen/'to hope' /hu:n/'hen' /hunt/'dog'

    /haut/'skin' /haite/'to-day' /behalten/

    'to keep' /yehalt/'contents'.

<sup>24</sup> Alternative terms are: "weicher, harter, gehauchter Einsatz" - Dieth, p. 103.

1 f ( . 4. <u>Vowels in unstressed syllables</u>. It is impossible to be sure of the exact quality of vowels in unstressed syllables especially in connected discourse. The approximate values are given in the following tables, from which it will appear that they tend to retain their quality, although they lose their length. The phonemic interpretation of unstressed  $[\dot{\epsilon}]$ , that is to say  $[\partial]$ , or "shwa," as an allophone of /e/ is based on the general centralization of front vowels in the dialect. <sup>25</sup>

```
/i/ [f] e.g. /miljo:n/ 'million' /ho:nix/ 'honey';

/e/ [É = ∂] e.g. /behalten/ 'to keep' /na:del/ 'needle';

/a/ [ā] e.g. /ame:rika/ (the first "a")

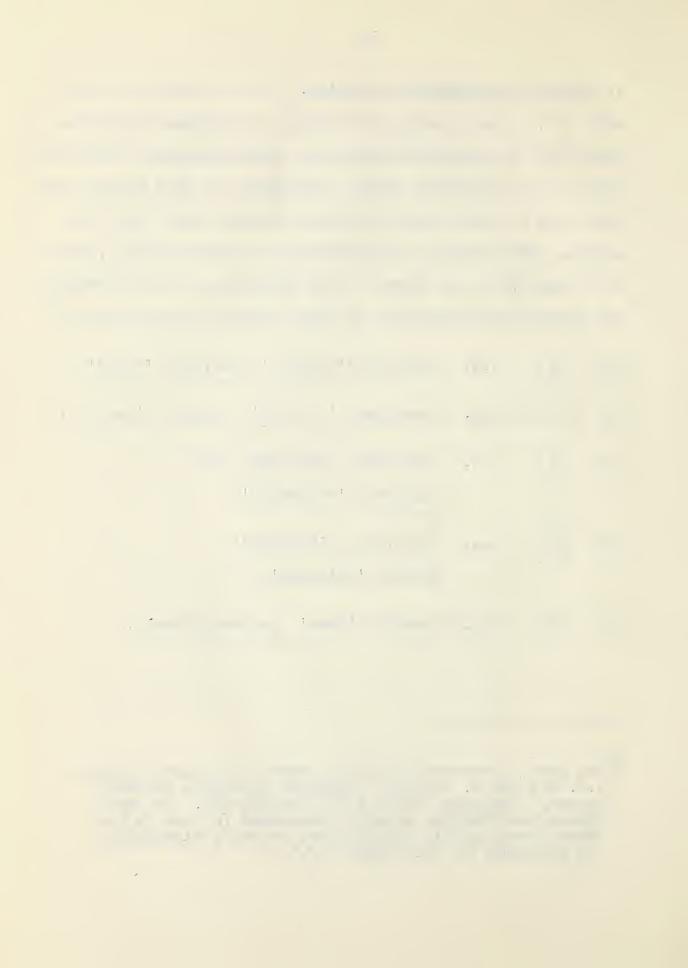
/na:xbar/ 'neighbour';

/o/ [Ω] e.g. /voli:njen/ 'Volhynia'

/ki:lo/ 'kilogram';
```

/u/ [U] e.g. /tsurik/ 'back' /helmut/ (name).

The same interpretation can be made of standard German; c.f. William G. Moulton, "Juncture in Modern Standard German," Language, XXIII (1947) pp.217-218. He says, "Since the contrast between unstressed [£] and [∂] is never meaningfully distinctive, we may analyze [∂] as an allophone of unstressed /e/."



5. Consonants in unstressed syllables. The consonants which appear in unstressed syllables in final position receive special prominence. Examples are as follows:

The syllabicity of the sonants /1, r, n/ in unstressed syllables is regarded by Moulton as an allophone of unstressed /e/ in standard German. We have all the more reason to do so here, as their syllabicity is in doubt.



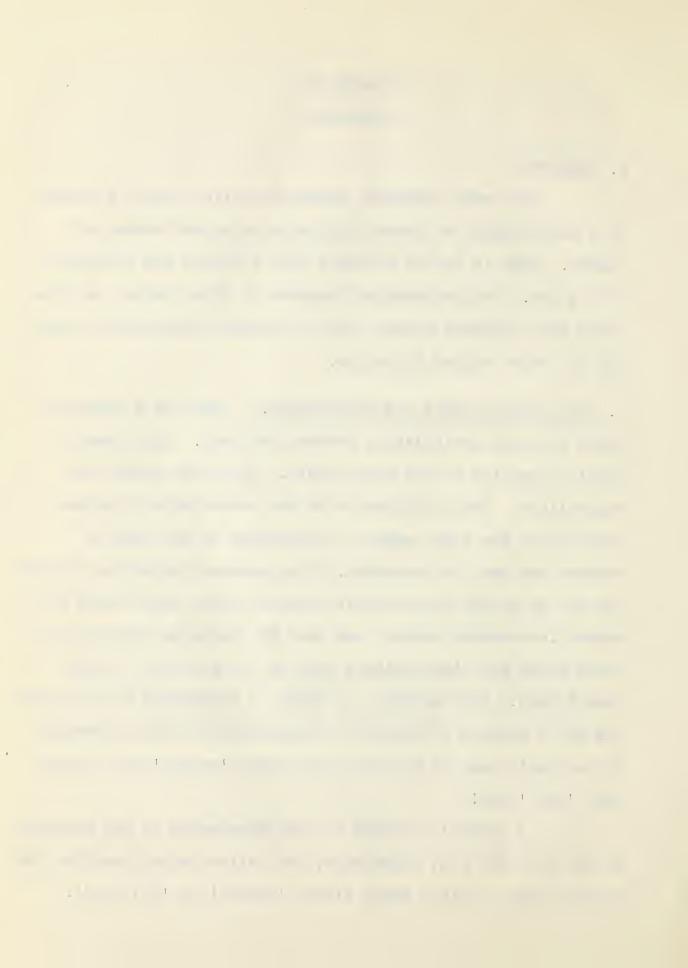
# CHAPTER IV

#### A. FINDINGS

The main informant speaks a dialect which is common to a small sample of former Volhynian colonists chosen at random. Thus it can be affirmed that Volhynia had a dialect of its own. The outstanding features of this dialect, as compared with standard German, are its unusual articulation basis and its velar voiced fricative.

1. Articulation Basis and "Entrundung." There is a complete shift of vowel articulation towards the back. This lends a peculiar quality to the back vowels. The front vowels are centralized. This, together with the characteristic spread position of the lips, makes it impossible to say what is rounded and what is unrounded. The speakers themselves confuse the two by giving hypercorrect rounded forms, which would be spread in standard German, and also by confusing meanings of words which are distinguished only by lip position in standard German. For instance, if "Tür" is pronounced in the usual way and a meaning in English is requested from the informant, it is likely that he will say: "It means 'animal'--but could mean 'door' too!"

A special instance of this phenomenon is the collapse of the [JI] and [dI] diphthongs, the latter having absorbed the former; thus, /laite/ means either 'people' or '(I) lead'.



2. [Y] . The "g" of standard German is replaced in the dialect by the velar voiced fricative. An educated "auxiliary" informant gave it as his opinion that this was one of the two chief characteristics of the Volhynian dialect—the other being "Entrundung." He called [Y] the "soft g."

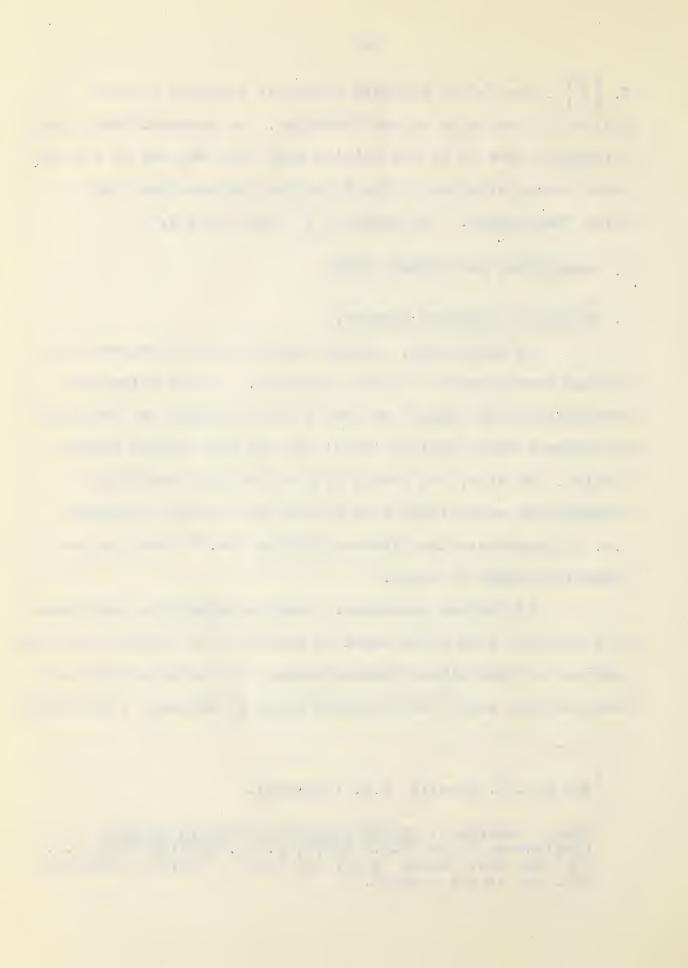
### B. SUGGESTIONS FOR FURTHER STUDY

## 1. Relation to English studies.

- a) Historical. Modern dialects may illustrate historical developments in other languages. In the Volhynian pronunciation of "Nagel" we have a living example of the half-way stage between English 'nail' and the High German pronunciation. So also, the prefix / $\gamma$ e/ of the past participle contains the palatalized form of the velar voiced fricative, i.e. it represents the historic English "y-." More points of comparison might be found.
- b) Dialect geography. Eastern Germany is considered as a colonial area which shows no profusion of regional dialects such as is found within Germany proper. In spite of the fact that settlers came from different parts of Germany, a levelling

The Rev. K. Korella, M.A. (Alberta).

<sup>2</sup>Stuart Robertson, The Development of Modern English (Englewood Cliffs, N.J., 1957), p. 81. mentions that O.E. [y] may have become [yj] and then [j] before disappearing, but is not certain.



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process<sup>3</sup> took place over a wide area. A comparison could therefore be made between the colonial German dialects of East Germany and the colonial English dialects of North America from the point of view of levelling.

- 2. Entrundung. The most striking feature is "Entrundung." This might be studied from the following points of view.
- a) Articulation basis. "Entrundung" ought to mean "the unrounding of vowels previously rounded." Further research on this and similar dialects might reveal whether these ever could have been rounded at any stage in their history, in view of the articulation basis mentioned. "th" is, historically, a "u" which has the lip position for "u" while the tongue has moved forward at the same height in anticipation of a succeeding palatal. The lip-position for "u" in Volhynian German is more spread than rounded. It is not likely that there ever was any rounding in the usual sense of the word.
- b) i-umlaut--a special case of vowel harmony. In view of what has been said about the articulation basis of the Volhynian dialect, it still needs to be made clear what the precise connection is between "Entrundung" and "i-umlaut" of back vowels. In the writer's opinion, they are not opposites. Perhaps the extreme "i-umlaut" of "u", for example,

<sup>3&</sup>quot;Sprachausgleich" is discussed by Adolf Bach, <u>Deutsche</u> Mundartforschung (Heidelberg, 1950), p. 68.



would be complete assimilation of the back vowel to the palatal, and this is precisely what we find in Volhynian. Perhaps the """ of High German is an intermediate stage, and Volhynian the complete stage of i-umlaut.

- c) Geographical extent. Volhynia, and, no doubt, the mother colony in Poland belong to the same dialect region as East Prussia and the Baltic with regard to "Entrundung."

  Jean Fourquet mentions it as one of the tasks of German dialectology to plot the areas covered by this phenomenon.
- d) The question could also be further pursued in German literature, and especially Early New High German.

  Kenneth Brooke in his An Introduction to Early New High German mentions the variant forms "gultig" and "giltig," "wurt" and "wirt." Ludwig Erich Schmitt has evidence of "derfer" in 1360 and "geheren" in 1378 in official use at the court of Emperor Charles the Fourth. 5

Many examples of "Entrundung" are to be found in seventeenth century literature, of the North-East in particular: twenty-eight examples of rhymes dependent on "Entrundung" appear in about forty pages of Klara Collitz, Selections

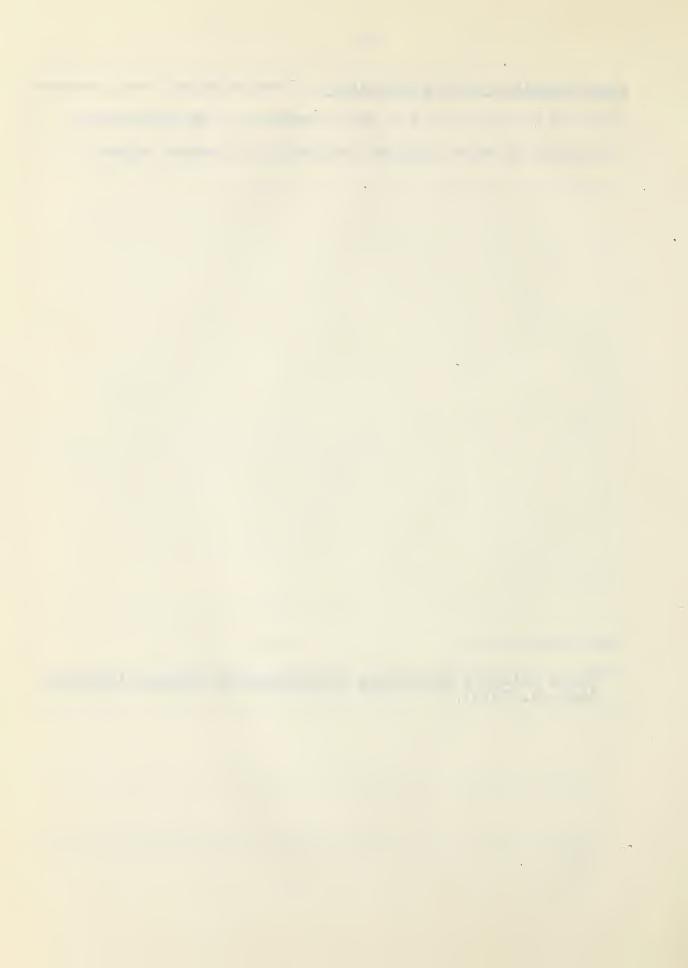
<sup>4</sup>Kenneth Brooke, An Introduction to Early New High German (Oxford, 1955), p. xliii.

<sup>&</sup>lt;sup>5</sup>Ludwig Erich Schmitt, <u>Die Deutsche Urkundensprache in der Kanzlei Kaiser Karls IV (1346-1378) (Halle, 1936), p. 31.</u>



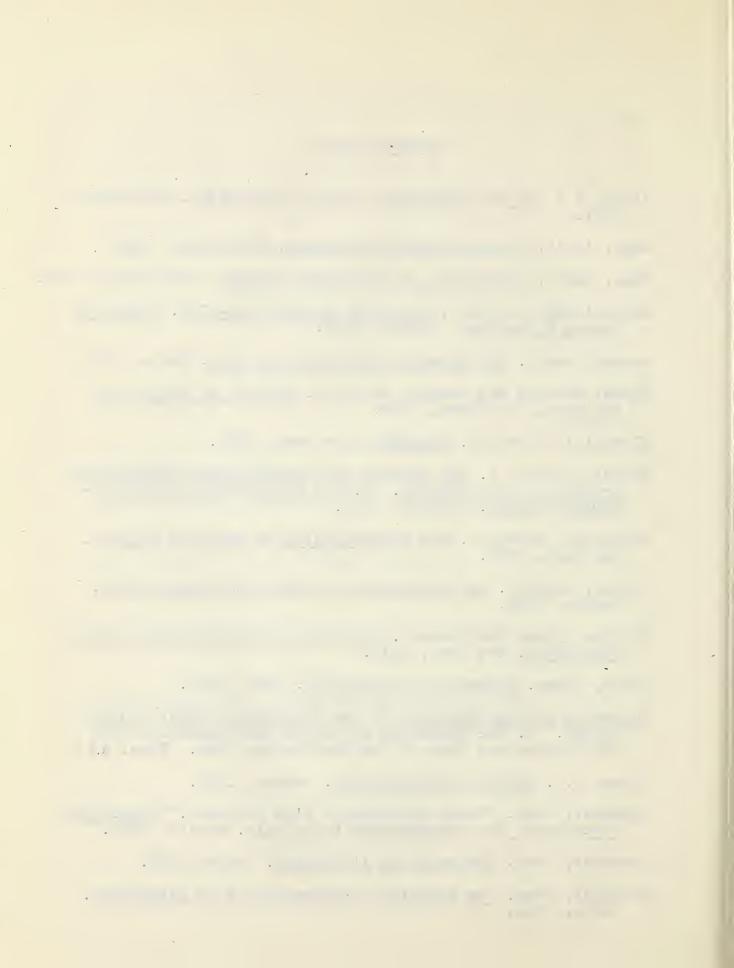
from Classical German Literature. Martin Opitz, here represented, the law-giver of his day in matters of German prosody, is not likely to have indulged habitually in impure rhymes.

Klara Collitz, Selections from Classical German Literature (Oxford, 1914).

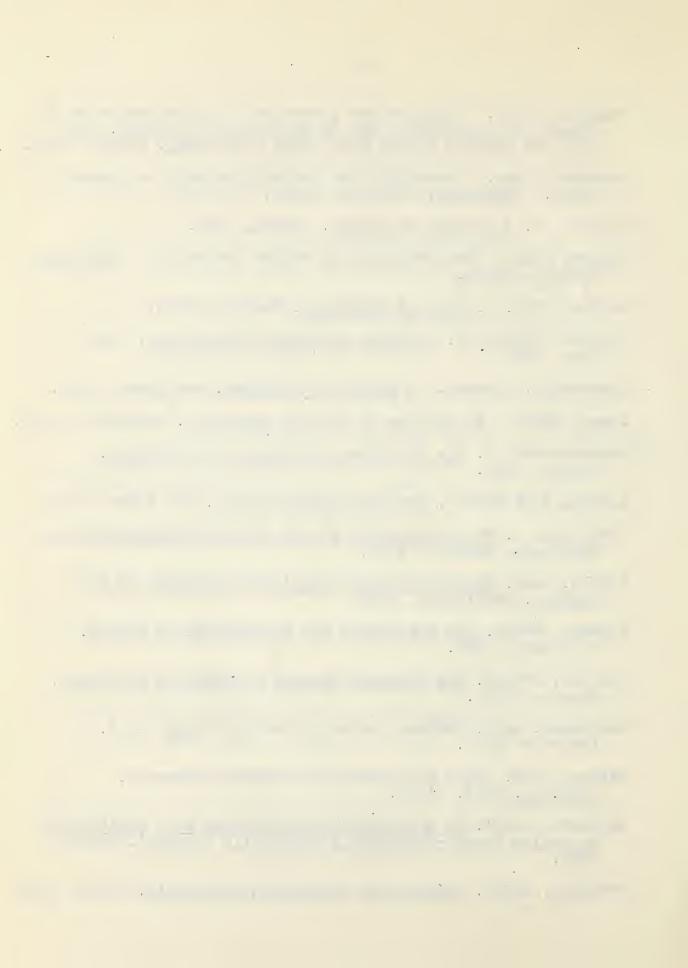


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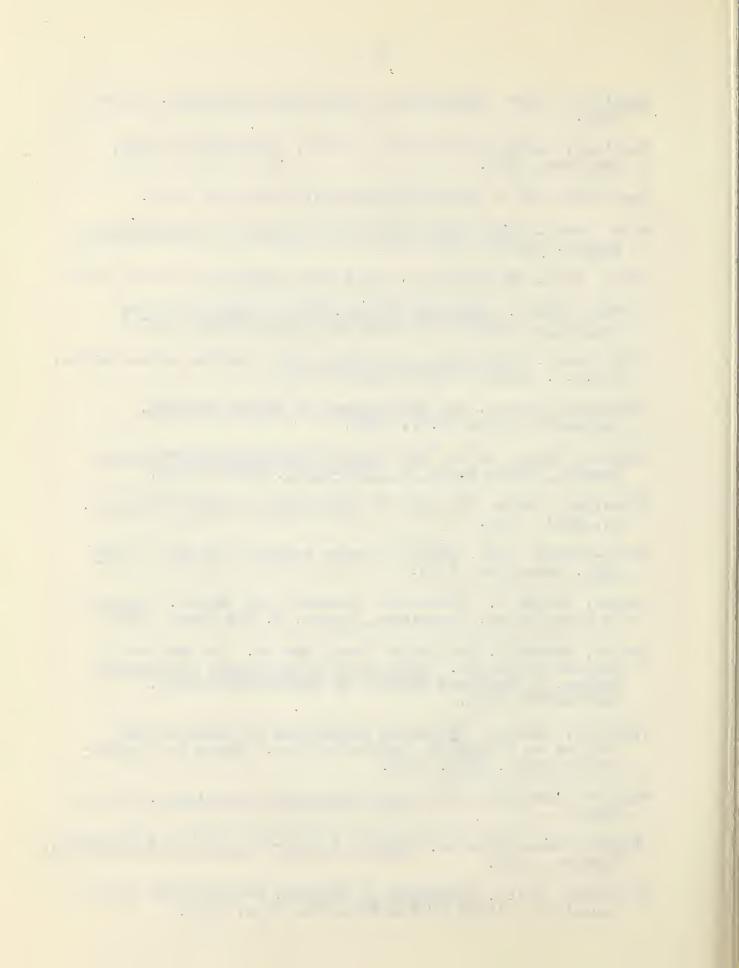


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## APPENDIX A

## KEY TO SYMBOLS USED

Phonetic sy	mbols	Examples
4 7	Tongra advanced networks a	
	Tongue advanced, retracted	a´ a>
<b>^ Y</b>	Tongue raised, lowered	a^ a <sup>,</sup>
•	Slight aspiration following stops	t <sup>6</sup>
•	Extra length	n•
/	Full stress	[yèhápť]
× //	Half stress	[aufpas n]
1	Consonant serving as syllable nucleus	[himl]
•	Vowel, not serving as syllable nucleus	[ietst]
пын	Fortis, lenis, half-lenis in consonants	[tir][libin]
><	Increasing, decreasing diphthong refers to tension	$\left[z\hat{\hat{\epsilon}}\hat{e}\hat{\epsilon}n\right]$
<b>↑</b>  ↓	Rising, level, falling terminal contours	See "Prosody"
• -	Centralization in vowels	[å] [å]
	Very close transition within the syllable	[ts] affricate [ai] diphthong
^ •	Advanced, retracted point of articulation (consonants)	[t d]
И	Nasal release	[latdn]

## Note regarding phonemic transcriptions

In phonemic transcriptions, type-writer symbols are used



as follows:

/i/ replaces 
$$\begin{bmatrix} \tilde{t} \end{bmatrix}$$
 /u/ replaces  $\begin{bmatrix} \tilde{v} \end{bmatrix}$  /e/ replaces  $\begin{bmatrix} \dot{\epsilon} \end{bmatrix}$  /o/ replaces  $\begin{bmatrix} \Omega \end{bmatrix}$  /a/ = lax  $\begin{bmatrix} \dot{a} \end{bmatrix}$ 

(:) replaces crescendo of height and tension in increasing diphthongs e.g. [blvut].

of Bloch and Trager is the second element of the increasing diphthong in /a:/



## APPENDIX B

#### BASIC WORD LIST - 216 words

1.		all	al·έ
2.		and	ữ n·t
3.		animals	tiir'ė
4.		ashes	ă <b>š</b> ·ė
5.		at	tsōu
6.		back	r'īki <sup>š</sup> n
7.		(person's) bad	šlėxet"
8.		bark	JIn·diè
9.		(of a tree) because	Bail
10.		belly	bauxu
11.		berry	béer'é
12.		bug	keÉé É Ér
13.		bird	\$ noyel
14.	to	bite	bais n
15.		b <b>la</b> ck	šBaits
16.		blood	blout'
			L H

Note. This word-list was used with a bilingual informant who gave the Volhynian-German equivalent in response to the English.

The phonetic transcription is based on Bloch and Trager, Outline of Linguistic Analysis (Baltimore, 1942). Stress in monosyllables is unmarked, being always primary in the mentioned form. Where disyllables consist of a syllable of primary stress, followed by an unstressed syllable, stress is not marked, this being the typical pattern. Elsewhere it is marked. Discrepancies in translation are marked with an asterisk.



a se t m

			75
17.	to	blow (of wind)	blinezin
18.		bone	K,n n X · E n
* 19.	to	breathe	a se timin
20.	to	burn (intrans.)	br'enin
21.		child	kīn't'
22.		cloud	Bul. KE
23.		cold (weather)	kaå let s
24.	to	come	kamin
24A	to	cough	h. usitin
25.	to	count	ts Èiln
26.	to	cut	h.a ki n
27.		day (not night)	täie X.
28.	to	die	štė rbn
29.	to	dig	Krikbn
30.		dirty	drikitx
31.		dog	toun't'
32.	to	drink	tr'En.k'n
33.		dry	trakin
7/_		dull	štum·p"



35.	dust	štavp'
36.	ear	āo'r'
37.	earth (soil)	eëride ~ ééé, de
38.	to eat	Ė S' į n
39.	egg	<b>ė</b> Į
40.	еуе	àυχέ
41.	to fall	Øà lin
42.	far	Baft'
43.	fat (subst.)	ØĖt."
44.	father	Øàiχitέ,
	father to fear	Øāizitė, Øυr'χ; t'
		, , , , ,
45.	to fear	Øur'xit' Ø É é · d é, áiniy é
45. 46. 47.	to fear	Øur'x, t' Ø E e d e,
45. 46. 47.	to fear feather few	Øur'xit' Ø É é · d é, áiniy é
45. 46. 47.	to fear  feather  few  to fight	Øur'xit' Øie'di, åinfyie zix; šlänyin
45. 46. 47. 48.	to fear  feather  few  to fight  fire	Øur'xit' Øèè'dé, åiniyé zixi šlážyin



53.	to	flow	Ølitisn H
54.		flower	b   vim <sup>é</sup> n
55•	to	fly	P I Fir Y E
56.		fog	nieß
57.		foot	ØŪ'S
58.		four	>< Øft'ἐr΄
59•	to	freeze	gr'Ei'r'in
60.	to	give	Ye Ee. bin
61.		good	Y vu t'
62.		grass	Yrajeis ~ Yrasi
63.		green	Yr'ft'n
64.		guts	dé r'm è
65.		hair	haàir'é
66.		hand	hain t'
67.		he	Ee'1
68.		head	haupt"
69•	to	hear	hérrits
70.		heart	
71.		heavy	šß Ee· L



		78
72.	here	hifi.1
73.	to hit	šlāži y in
74.	to hold	haá l·t <sup>n</sup> n
75.	how	β, F t'
76.	to go hunting	jaxitin
77.	husband	Ééi é máni
78.	I	J. I. X. !
79.	ice	ä. I s'
80.	if	ßėn·
81.	in	Ξη'
82.	to kill	tntišlängin
83.	to know (facts)	β E S· <sup>é</sup> n
84.	lake	z E é '
85.	to laugh	lá x; <sup>é</sup> n
86.	leaf	blát:
87.	left (hand)	l Eŋ·k, É
88.	leg	bain
89.	to lie (on side)	l E t'γ, in
90.	to live	léebin



		19
91.	liver	léebér
92.	long	läg· ė
93.	louse	lavs
94•	man (human)	mán•
95•	many	m Ee'r E
96.	meat	Ølå Eš
97.	mother	mutiés
98.	mountain	yėrbiryė
99•	mouth	m ʊ n· t'
100.	name	nà že m έ
101.	narrow	šmál.
102.	near	Indi, në e e
103.	neck	Yen Fk:
104.	now	ĔĖtšť
105.	night	nà xịt th
106.	nose	nāž Zí
107.	not	n EX! t'
108.	old	ál·ť
109.	one	áin's



		80	
110.	other	án•dr'é	
111.	person	pi, sãoin	
112.	to play	šp i i i n	
113.	to pull	ts i t · é n	
114.	to push	ŠĒĖ, bin	
115.	to rain	r Ee y En	
116.	red	r³ño·t"	
117.	right (course)	_	
118.	right (hand)	r'exts	
119.	river	štr'žo'm	
120.	road	štr'ā žis į	
121.	root	gur'ts i	
122.	rope	štriski im	
123.	rotten	ør'ø ávlit	
124.	to rub	r² á f b <sup>é</sup> n	
125.	salt	zal·ts	
126.	sand	zanit"	
127.	to say	zájezin	
128.	to scratch	kr'b tsin	(rounded?)



129.		sea	rn E e'E,
130.	to	see	zee'én
131.		seed	sz á je t
132.	to	sew	nee·én
133.		sharp	šár'¢
134.		short	kur²ts H
135.	to	sing	zīn' <sup>ė</sup> n
136.	to	sit	z Its n
137.		skin	hāvt"
138.		sky	ludit ~ Indiheeie
139.	to	sleep	šlā že Øn
140.		small	klá En·
141.	to	smell	r'it' X'n
142.		smoke ( of fire)	lávXn
143.		smooth	ylat.
144.		snake	š la ŋ' i
145.		snow	šn Ē e
146.		some	áí n'i y i
147.	to	spit	špukin



		02
148.	to split	spalit"n
149.	to squeeze	kß E tš n
150.	to stab	štėX.n
151.	to stand	štreen AA
152.	star	štė r'n
153.	stick	štak:
154.	stone	štá f n
155.	straight	V.Fr'āżdé
156.	to suck	zavyin
157.	sun	Znnie
158.	to swell	aus d'éeinin
159.	to swim	šß I mien
160.	tail	øusst Ee X.
161.	that	dàs:
162.	there	dar't
163.	they	jēini
164.	thick	dek!
165.	thin	cl f n·
166.	to think	dinkin



		0)
167.	this	d It's
168.	thou	ďŪŪ'
169.	three	dr'ā E
170.	to throw	š m å E s <sup>É</sup> n
171.	to tie	ben'd"n
172.	to-day	hāītė
172A	tongue	tsvnie
173.	tooth	tsäæin
174.	tree	bàvm
175.	to turn	dr'Ée'Én
176.	two	tsßå I
177.	to vomit	katsin
178.	to walk	Ve è è i
179.	warm (weather)	
180.	wash	βar'm βašin
181.	to water	_
182.	we	ß Ftir2
183.	wet	näs'
184.	what?	Bás'



185.	when?	ßen.	
186.	where?	ĝvo D	
187.	white	Báts	
188.	who?	ß Ee'êr'	
189.	wide	braft"	
190.	wife	ßäfp."	
191.	wind	B In to	
192.	to wind	BIKiln	
193.	to wipe .	B. F. Š. Én	
194.	with (accompan	mīt'	
195.	woman	gr'à u	
196.	woods	bainé	
197.	worm	ßur'm	
198.	ye (you)	Fir <sup>2</sup>	
199.	year	jāżei	
200.	yellow	Y Elip'	
201.	brother	br' Tudir	~ d <sup>i</sup> 1
202.	sister	SBES'tEL	·
203.	six	z i k's	



204.	seven	sztibn
205.	eight	axiti
206.	nine	náfn
207.	ten	ts Ée n
208.	twenty	tspanits ex
209.	hundred	hvn•dirt"
210.	clothing	Klardun.k
211.	to cook	k αχ• <sup>έ</sup> η
212.	to dance	tanitien
213.	to shoot	SH'S <sup>n</sup> n
214.	to speak	špr'ėx;"n
215.	to work	àsbatt"n
216.	to cry	šr'āfēņ



#### APPENDIX C

## "Bear Story"

Example of connected discourse in phonemic transcription.

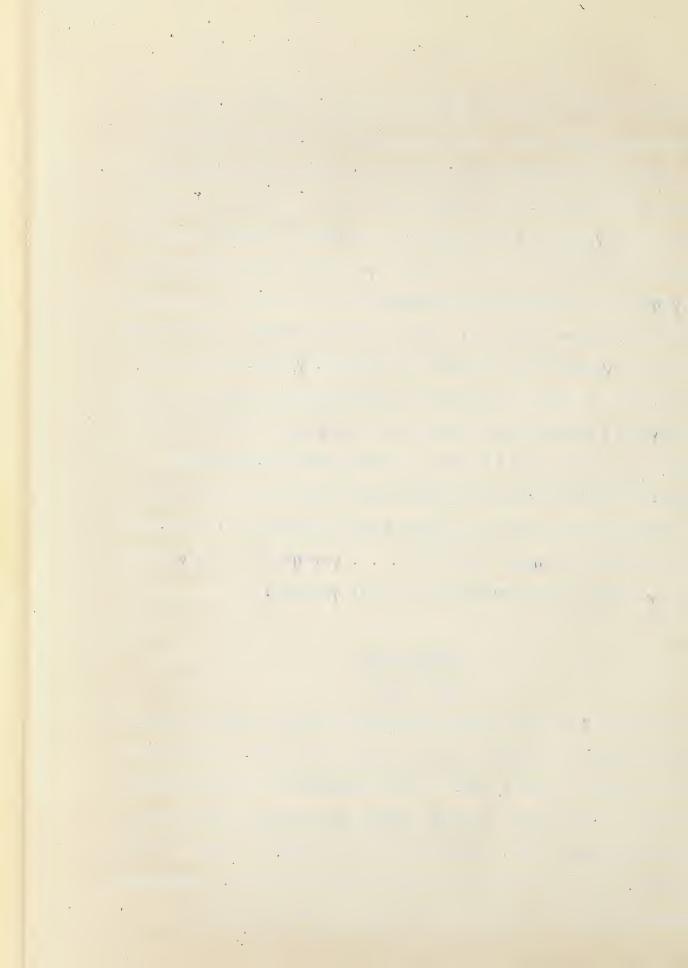
vir zint γeγaŋen aine ku: zu:xen ix unt main man unt unzer aine zo:n | dan hap ix Yehe:rt etvas knastern im valt | unt dan hap ix γeza:xt | vali bist du: das ist ni:mant nixt vemelt | hap ix vi:der veru:fen vali bist du: das ka:m imer ne:er imer ne:er ja: es va:r šo:n zo šumer unt den mit ainma:l den hap ix yeze:en | komen ain be:r↓aber ix va:r filaixt zaine drai srit ap unt dan hat er zix zo ap gesukelt unt den ix bin zo: šte:enyebli:ben er hat mi:r anyešaut ix hap i:m anyešaut unt dan hat er zix vi:der noxma:l zo apyesukelt | unt dan hat er zix aufyestelt | auf di hinterfi:s | unt dan hat er zix hinyezetst | unt hat mir anyesaut | unt den bin ix tsuzamenγezunken auf maine kni: unt bin hinγefalen hap ix aine vail yele: yen unt dan bin ix vi:der aufyestanden bin ix ja nu:r tsvai šrit yeyanen | bin ix vi:der tsuzamenyezunken | konte vaiter nixt ye:en | unt dan hap ix tsu yot yezaiftst | yot zole dox main man unt main kint beva:ren | ven ix aber aux tsum opfer šon bin aber er zol dox di: beva:ren das di zixer haim komen dan bin ix vi:der aufyestanden bin vi:der ain stikxjen yeyanen unt hap tsu yot yezaiftst unt dan hap ix vi:der maine štim yekri:xt tsurik unt dan hap ix Yeru:fen zi zolen nixt di:zen ve:x komen vo ix bin yeyanen zi zolen straks γra:de haim γe:en unt der be:r hat imer



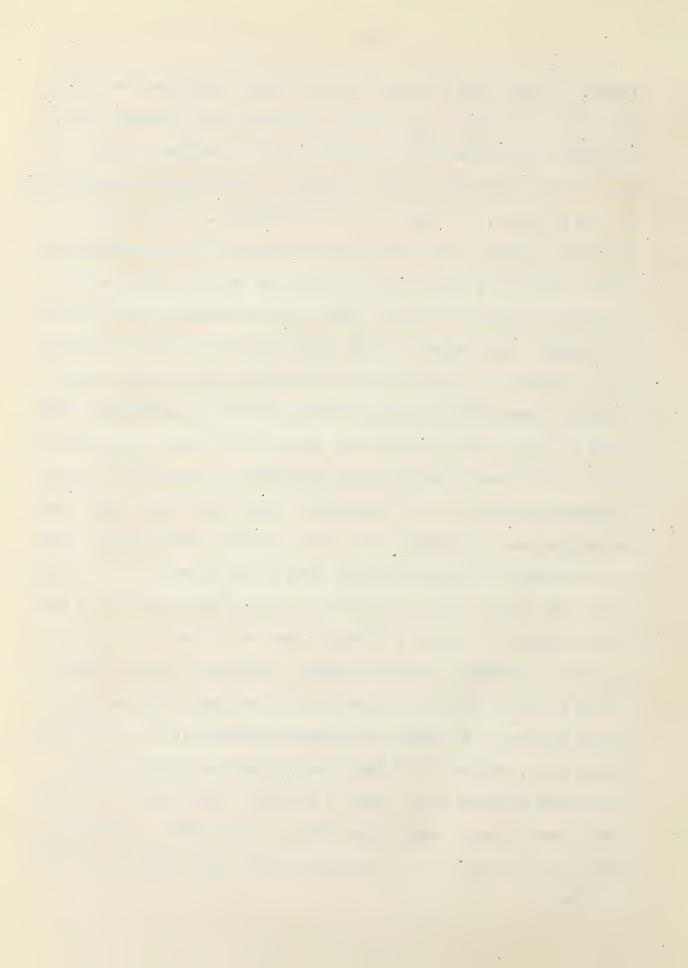
Vezesen unt hat mir aufγepast vi ix mir da: hap benomen unt da ka:m tsu main zin ix zolt maine le:derjak aptsi:en ix hap aine le:derjak anvehapt | unt ix volt den ziper aufmaxen unt dan va:r der ziper auf aber ix hap di le:derjak nixt unteryekri:xt unt dan hap ix anyehat kalošen unt di: hap ix ferlo:ren | aber ix vust es γa:r nixt | unt dan bin ix Yeyanen o: filaixt zain finftsen srit fom be:r ap unt dan va:r ix an aine fens | vi: za:xt man | aine tsaun | unt dan hap ix mir anvefast unt dan hap ix aber zo: yesri:en unt zo: γeru:fen zi zolen ja: nixt hi:r komen di:zen ve:x zi zolen haimye:en unt das der naxbar mi:r hat yehe:rt das var vol aine halbe mail nixt f berait nox me:r vunt de:r hat mir Yehe:rt unt hat mir an di štim erkant das ix es va:r ↓ aber er vust ja nixt das ix in zolxe yefa:r daunten va:r√na: zo: bin ix dox zo lanzam in di he: . . . yeyanen unt bin yliklix haimγekomen der be:r hat mir in ru: γelasen.

# Translation Bear Story

We went to look for a cow, my husband and I, and our only son, then I heard something crackle among the trees. And then I said, Wally, is that you? No one answered, I called again, Wally, is that you? It came nearer and nearer, yes it was already rather dark, and then all of a sudden I saw, a bear coming. But I was perhaps about three paces off. And then he shook himself, and then I stood still, he looked at me, I



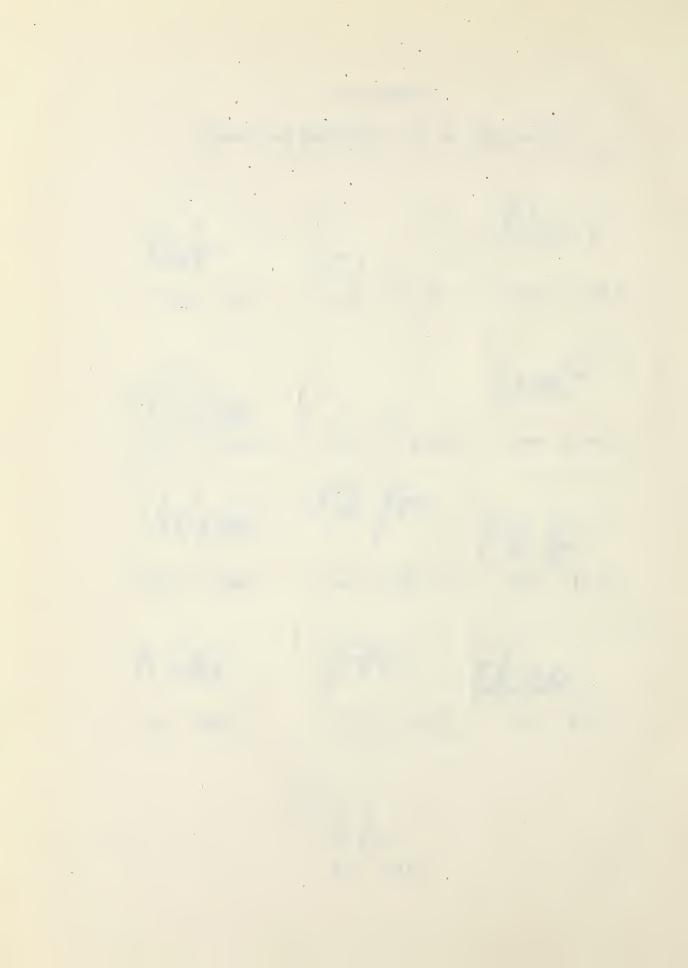
looked at him, then he shook himself again, and then he stood up, on his hind feet, and then he sat down, and looked at me. And then I sank down, on my knees, and fell on the ground. lay a while, and then I got up again, I only went two steps, and collapsed again. I could not go any further. And then I breathed a prayer, that God should preserve my husband and my Even if I was to be a victim, He should preserve them. So that they get home safe. Then I got up again, went a little bit further, and prayed to God, and then, I got my voice back again, and then I yelled that they should not come this way, the way I came, they should go straight home. And the bear sat there all the time, watching me, what I was doing. And then it came into my head I should take my leather jacket off. I had a leather jacket on, and I wanted to undo the zipper, and then the zipper was unfastened, but I did not get the leather jacket off. And then I had rubbers on, and I lost them, but I did not know. And then I went, oh perhaps fifteen paces away from the bear, and then I was at a "fence", how do you say? a fence, and then I gathered myself together, and then I shouted and yelled so loud, that they should not come here this way they should go home. So that the neighbour heard me, that would be half a mile, wouldn't it? Maybe more. And he heard me and recognized from my voice that it was me. But he did not know that I was in such danger down there. Well then, I gradually went up the hill(?) . . ., and got safely home, the bear left me alone.



## APPENDIX D

#### PHOTOGRAPHS OF LIP POSITIONS FOR VOWELS





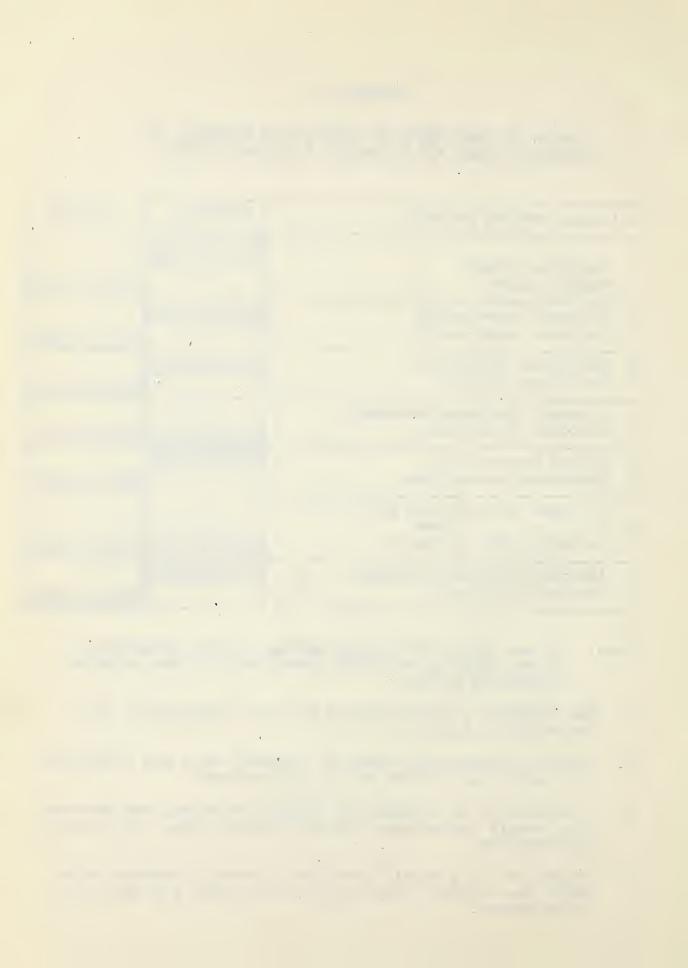
#### APPENDIX E

# A TABLE OF COMPARISON OF CANADA AND VOLHYNIA AS SUITABLE AREAS FOR COLONIES OF GERMAN CULTURE

Cr	itical factors paired	VOLHYNIA	CANADA
1	Daughter colony Mother colony	U William In in the second	
2	Cultural superiority Cultural inferiority	Million in Mill	
3	Religious difference Religious identity	Manda Miller Miller	
4	Literary language possessed, borrowed from hosts		
5	Closed communities Scattered communities	Manual Mah	Jaguer of The Miller
6	In touch with centres of home Isolated from culture		Mille Marie
7	Adverse political pressure Complete tolerance	Mark Bank Ba	

Note: In each pair, the factor making for the conservation of the original cultural inheritance of the colonist is printed on top.

- 1. The daughter colony tends to be more conservative than the mother colony.
- 2. Cultural superiority makes it unlikely that the colonists will adopt the culture of the environment.
- 3. A difference of religion as between colonists and surrounding people discourages cultural intercourse, and favours conservatism.
- 4. Possession of a highly developed literary language maintains the cultural link with the home-land and makes for independence.



- 5. Closed communities make for group solidarity.
- 6. An open line of communication with the home-land allows free exchange of ideas and goods.
- 7. Political pressure tends to increase resistance.

Note: the factors here examined, but not the table, are taken from Lutz Mackensen, "Heimat Kolonie und Umvolk," Folk, I, 1937, where they are discussed with reference to German "Sprachinsel."



#### APPENDIX F

### QUESTIONNAIRE USED WITH INFORMANTS

Name:
Geburtsort:
(Kreis, Bezirk, Gemeinde)
Geburtsdatum:
Jahr der Auswanderung aus Wolhynien:
Grund für die Auswanderung aus Wolhynien:
Wurden andere Länder in Erwägung gezogen?
Welche?
Geburtsort des Vaters: Muttersprache:
Geburtsort der Mutter: Muttersprache:
Geburtsort der Frau: Muttersprache:
Schuljahre in Wolhynien: a) Unterricht in deutscher Sprache:
b) andere Sprachen (gesetzlich) gelernt
Schuljahre ausserhalb Wolhyniens:
Kinder:
Konfession:
Welche Staatsangehörigkeit(en) haben Sie offiziell vor der Auswanderung besessen?
Note: Information thus gathered was used in Chapters I and II.

. . . .













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